3. Quality—

The lumber shall meet the requirements of PS 20-70 and shall comply with the requirements for inspection and reinspection of an agency recognized by the American Lumber Standards Committee and/or Canadian Lumber Standards Committee.

4. Moisture Content—

The moisture content of each piece shall not exceed 19% as determined by moisture meter readings in accordance with the "Standard Methods of Tests for Moisture Content of Wood, 'Section 9, Methods B of the American Society for Testing Material Standard, D2016-65.

5. Marking—

All pieces shall be grade marked with the registered symbol of an agency recognized by the American Lumber Standards Committee and/or Canadian Lumber Standards Committee. All pieces shall be marked with the mill name and/or association identification number, grade, seasoning and species according to the stamping requirements of the Certified Inspection angency, and shall meet all other requirements of state and federal law.

VARIATIONS IN QUANTITY—Variations in quantity of the delivery unit between 120,000 and 140,000 board feet shall be permitted without penalty, but payment shall be made on the basis of the exact quantity delivered.

INSPECTION PROCEDURES AND STANDARDS—Inspection shall conform to PS 20-70 and any other requirements that may thereafter be promulgated under PS 20-70. Inspection service and compliance shall be subject to the customary lumber industry practice, as provided in PS 20-70.

In case of claim on grade, moisture content, tally, or manufacture, the buyer shall demand reinspection through the Clearing House to an agency recognized by the American Lumber Standards Committee and/or Canadian Lumber Standards Committee as provided for under the rules of those organizations and PS 20-70. Findings of the reinspection shall be final and binding upon the buyer and seller.

EXCHANGE CERTIFICATE—The Exchange shall issue an Exchange Cerficate which shall conform to Exchange rules.

COSTS OF INSPECTION AND DEMURRAGE—The costs of all original grading and marking, documentation and related service shall be borne by the seller. The cost of reinspection shall be assessed as provided by the agency performing reinspection. The seller shall assume demurrage charges up to the date of shipment. The buyer shall be responsible for any demurrage and diversion charges after shipment. The buyer shall be entitled to one reconsignment.

GENERAL INTERPRETATION—Stockyard(s), Mill(s), Store(s), Warehouse(s), or Plant(s), *Wherever the words Stockyard(s), Mill(s), Store(s), Warehouse(s), or Plant(s), appear within these Rules regarding the delivery of Exchange contracts, they are understood to be approved.*

INDEX AND OPTION MARKET CONTRACT HISTORY

STANDARD & POOR'S 500 STOCK INDEX FUTURES

First Day Trading
April 21, 1982

Contract Size
$500 Times S & P 500
Stock Price Index

Normal Daily Price Limit
300
500 (7/06/82)
No Limit (1/28/83)

Trading Hours
9:00 a.m. - 3:15 p.m.

First Day Volume
3,963

First Day Open Interest
516

Record Day
41,761 (12/01/82)

Record Day Open Interest
16,811 (12/01/82)

Record High Futures Price
148.70B; Sep 1983; 11/10/82

Record Low Futures Price
101.15; Sep 1982; 8/09/82

STANDARD & POOR'S 500 STOCK INDEX OPTIONS

First Day Trading
January 28, 1983

Contract Size
One S & P 500 Stock Index
Futures Contract of the
Specified Contract Month

Normal Daily Price Limit
No Limit

Trading Hours
9:00 a.m. - 3:15 p.m.

First Day Volume
1,805 Total Options
1,431 Total Calls
374 Total Puts

First Day Volume
1,283 Total Option
962 Total Calls
321 Total Puts

RANDOM LENGTH LUMBER

First Day Trading
October 1, 1969

Contract Size
40,000 Board feet 2x4's
90,000 White-fir (6/15/70)
90,000 Hem-fir (3/19/71)
100,000 Hem-fir (7/19/71)
130,000 Hem-fir & SPF (2/01/80)

Normal Daily Price Limit
750 per 1,000 board feet; minimum fluctuation 0.25
500 per 1,000 board feet; minimum fluctuation 0.10 (6/15/70)

Trading Hours
9:00 a.m. - 1:05 p.m.

First Day Volume
153

First Day Open Interest
146

Record Day Volume
6,878 (4/24/80)

Record Day Open Interest
14,841 (10/27/80)

Record High Futures Price
287.30; Sep 1979; 8/24/79

Record Low Futures Price
68.25; Jly 1970; 7/14/70

S & P 500 STOCK INDEX FUTURES

Life of Contract Highs and Lows of S & P 500 Futures on the Index and Option Market

YEAR	OPENED		HIGH		LOW		TERMINATED	
			MAR DELIVERY					
1983#	118.70	(4/21/82)	147.75	(11/10/82)	101.85	(8/09/82)	......	
			JNE DELIVERY					
1982	116.35	(4/21/82)	120.60	(4/26/82)	107.40	(6/17/82)	107.60	(6/17/82)
1983#	110.90	(6/25/82)	148.20B	(11/10/82)	102.50A	(8/09/82)	......	
			SEP DELIVERY					
1982	116.70	(4/21/82)	127.65	(9/22/82)	101.15	(8/09/82)	123.77	(9/16/82)
1983#	123.50	(9/20/82)	148.70B	(11/10/82)	120.70A	(9/30/82)	......	
			DEC DELIVERY					
1982	118.00	(4/21/82)	146.80	(11/10/82)	101.40	(8/09/82)	135.30	(12/16/82)
1983#	138.00	(12/17/82)	147.20B	(12/27/82)	138.00	(12/17/82)	......	

RANDOM LENGTH LUMBER FUTURES

Lift of Contract Highs and Lows of Random Length Lumber Futures on the Index and Option Market

YEAR	OPENED		HIGH		LOW		TERMINATED	
			JAN DELIVERY					
1971	83.00	(6/15/70)	85.00	(7/27/70)	75.20	(11/24/70)	84.00	(1/15/71)
1972	112.00	(3/19/71)	116.00	(1/14/72)	90.50	(9/27/71)	115.50	(1/14/72)
1973	114.00	(2/03/72)	169.00	(1/11/73)	104.50	(7/19/72)	160.00	(1/15/73)
1974	157.50	(3/23/73)	157.50	(3/23/73)	105.20	(6/18/73)	127.30	(1/15/74)
1975	165.10	(3/19/74)	168.10	(3/20/74)	98.50	(10/03/74)	103.00	(1/15/75)
1976	155.50	(4/02/75)	163.00	(4/25/75)	116.50	(10/08/75)	142.90	(1/15/76)
1977	172.00	(3/11/76)	187.50	(12/27/76)	149.30	(7/20/76)	167.10	(1/14/77)
1978	190.00	(1/19/77)	215.90	(1/13/78)	174.50	(10/21/77)	215.90	(1/13/78)
1979	190.00	(2/07/78)	246.00	(1/11/79)	177.20	(6/26/78)	237.00	(1/15/79)
1980	196.00	(3/21/79)	251.00	(9/11/79)	196.00	(3/21/79)	205.40	(1/15/80)
1981	214.00	(2/01/80)	226.50	(2/14/80)	146.00	(12/12/80)	161.50	(1/15/81)
1982	235.50	(9/16/80)	245.00B	(11/20/80)	136.10	(10/22/81)	145.90	(1/15/82)
1983#	192.00	(10/05/81)	205.50B	(10/21/81)	139.00	(8/13/82)	......	
1984#	179.00	(9/16/82)	212.30	(12/27/82)	176.50A	(10/04/82)	......	
			MAR DELIVERY					
1970	78.00	(10/01/69)	93.00	(10/27/69)	70.50	(3/13/70)	70.50	(3/13/70)
1971	85.00	(6/15/70)	107.00	(2/17/71)	78.40A	(10/26/70)	94.00	(3/15/71)
1972	106.00	(5/05/71)	125.80	(2/07/72)	92.50	(9/28/71)	115.70	(3/15/72)
1973	115.50	(4/20/72)	194.70	(3/14/73)	106.50	(7/19/72)	182.50	(3/15/73)
1974	103.00	(6/11/73)	180.00	(3/12/74)	103.00	(6/11/73)	167.50	(3/15/74)
1975	135.30	(5/17/74)	144.50	(6/17/74)	101.70	(10/03/74)	117.70	(3/14/75)
1976	154.50	(6/12/75)	172.50	(1/19/76)	124.40	(10/10/75)	151.10	(3/15/76)
1977	169.50	(6/15/76)	197.30	(12/27/76)	155.60	(7/20/76)	180.00	(3/15/77)
1978	206.50	(4/04/77)	224.50	(2/10/78)	179.50	(10/21/77)	223.00	(3/15/78)
1979	185.00	(4/07/78)	248.70	(2/21/79)	179.50	(5/18/78)	212.80	(3/15/79)
1980	199.20	(4/02/79)	243.90	(10/02/79)	198.50	(4/04/79)	209.00	(3/14/80)
1981	217.50	(2/01/80)	228.10	(2/14/80)	144.60	(3/12/81)	151.50	(3/13/81)
1982	245.00	(11/18/80)	248.00B	(11/20/80)	130.60	(3/02/82)	139.00	(3/15/82)
1983#	198.00	(11/17/81)	209.80	(12/04/81)	146.80	(6/21/82)	......	
1984#	210.00	(11/17/82)	217.00B	(12/17/82)	205.10A	(12/06/82)	......	
			MAY DELIVERY					
1970	80.00	(10/01/69)	96.00	(10/27/70)	72.50	(5/15/70)	73.75	(5/15/70)
1971	86.50	(6/24/70)	117.00	(2/17/71)	81.30A	(10/26/70)	91.50	(5/14/71)
1972	107.00	(7/19/71)	126.40	(2/07/72)	97.50	(9/21/71)	117.60	(5/15/72)
1973	128.50	(9/18/72)	187.50	(3/20/73)	124.50	(9/19/72)	157.00	(5/15/73)
1974	110.00	(7/10/73)	181.00	(3/12/74)	109.00	(7/21/73)	153.00	(5/15/74)
1975	130.00	(7/08/74)	153.80	(4/25/75)	106.50	(10/03/74)	130.10	(5/15/75)
1976	156.00	(6/12/75)	178.00	(2/17/76)	131.50	(10/02/75)	144.50	(5/14/76)
1977	161.80	(8/27/76)	203.40	(2/18/77)	161.80	(8/27/76)	164.60	(5/13/77)
1978	197.00	(6/01/77)	223.40	(2/10/78)	184.50	(10/21/77)	214.70	(5/15/78)
1979	185.30	(6/05/78)	246.00	(5/15/79)	181.60	(6/27/78)	245.20	(5/15/79)
1980	210.00	(6/01/79)	244.40	(1/29/80)	146.50	(5/15/80)	152.20	(5/15/80)
1981	220.00	(2/01/80)	233.50	(7/21/80)	163.20	(4/03/81)	175.50	(5/15/81)
1982	211.00	(6/10/81)	220.30	(6/15/81)	115.50	(5/13/82)	122.60	(5/14/82)
1983#	201.50	(1/19/82)	203.00B	(1/21/82)	151.50	(6/28/82)	......	

B-Bid; A-Ask

# As of December 31, 1982

RANDOM LENGTH LUMBER FUTURES

Life of Contract Highs and Lows of Random Length Lumber Futures on the Index and Option Market

	JLY DELIVERY							
YEAR	OPENED		HIGH		LOW		TERMINATED	
1970	87.00	(10/01/69)	100.00	(10/27/70)	68.25	(7/14/70)	70.25	(7/15/70)
1971	91.80	(8/25/70)	118.20	(7/15/71)	83.50	(10/26/70)	112.40	(7/15/71)
1972	111.50	(7/19/71)	134.50	(6/29/72)	98.50	(9/21/71)	130.00	(7/14/72)
1973	139.00	(10/18/72)	183.50	(3/19/73)	126.00	(11/21/72)	153.50	(7/13/73)
1974	123.90	(10/02/73)	180.20	(3/12/74)	117.00	(12/21/73)	136.10	(7/15/74)
1975	121.00	(9/16/74)	168.00	(4/29/75)	111.00	(10/03/74)	130.80	(7/15/75)
1976	145.00	(9/17/75)	183.30	(2/20/76)	138.00A	(10/01/75)	152.30	(7/15/76)
1977*	164.80	(8/27/76)	210.00	(3/18/77)	164.80	(8/27/76)	173.50	(7/18/77)
1978	201.00	(8/02/77)	227.00	(7/14/78)	188.00	(10/21/77)	227.00	(7/14/78)
1979	191.90	(8/11/78)	247.00	(7/05/79)	182.00	(11/21/78)	239.00	(7/13/79)
1980	214.50	(8/01/79)	243.60	(2/14/80)	164.80	(4/08/80)	195.00	(7/15/80)
1981	191.00	(3/21/80)	239.30	(7/21/80)	169.00A	(4/03/80)	181.00	(7/15/81)
1982	211.00	(6/10/81)	225.00B	(6/17/81)	129.00	(6/04/82)	135.30	(7/15/82)
1983#	195.00	(3/18/82)	202.60	(12/27/82)	158.00A	(6/25/82)	.....	

*Termination of futures trading extended one day

	SEP DELIVERY							
YEAR	OPENED		HIGH		LOW		TERMINATED	
1970	88.50	(1/29/70)	90.50	(2/20/70)	75.25	(7/14/70)	77.15	(9/15/70)
1971	87.00	(10/21/70)	118.10	(2/18/71)	84.60A	(10/26/70)	103.50	(9/15/71)
1972	103.00	(11/17/71)	148.50	(9/12/72)	103.00	(11/17/71)	146.20	(9/15/72)
1973	128.40	(11/16/72)	173.00	(3/19/73)	116.00	(5/18/73)	162.00	(9/14/73)
1974	138.00	(10/24/73)	173.00	(3/12/74)	111.00	(9/13/74)	111.00	(9/13/74)
1975	133.50	(10/31/74)	164.90	(4/25/75)	118.50	(8/20/75)	125.00	(9/15/75)
1976	156.50	(11/20/75)	182.80	(2/20/76)	146.50	(7/20/76)	169.50	(9/15/76)
1977	191.00	(10/15/76)	228.00	(8/22/77)	180.80	(7/18/77)	206.80	(9/15/77)
1978	207.00	(10/04/77)	249.90	(9/15/78)	186.20	(4/13/78)	249.90	(9/15/78)
1979	200.50	(10/03/78)	287.30	(8/24/79)	179.20	(11/21/78)	265.20	(9/14/79)
1980	230.00	(10/01/79)	245.20	(2/14/80)	169.00	(9/15/80)	169.00	(9/15/80)
1981	223.30	(5/20/80)	240.00	(11/20/80)	137.00	(9/15/81)	137.00	(9/15/81)
1982	219.20	(6/10/81)	229.50	(6/15/81)	123.70	(8/13/82)	127.60	(9/15/82)
1983#	185.50	(5/19/82)	206.40	(12/23/82)	162.80A	(6/25/82)	.....	

	NOV DELIVERY							
YEAR	OPENED		HIGH		LOW		TERMINATED	
1970	88.50	(1/29/70)	90.50	(2/12/70)	74.50	(11/04/70)	74.50	(11/13/70)
1971	89.90	(1/05/71)	117.00	(2/18/71)	89.40	(1/03/71)	103.10	(11/15/71)
1972	113.50	(12/29/71)	170.30	(10/25/72)	106.60	(7/13/72)	164.50	(11/15/72)
1973	139.20	(2/02/73)	167.40	(3/13/73)	108.60	(7/03/73)	150.00	(11/15/73)
1974	126.00	(1/17/74)	172.40	(2/26/74)	94.60	(10/03/74)	100.00	(11/15/74)
1975	148.90	(1/27/75)	161.20	(4/25/75)	113.50	(10/01/75)	134.80	(11/14/75)
1976	175.00	(1/26/76)	178.00	(2/18/76)	144.80	(7/20/76)	162.10	(11/15/76)
1977	201.00	(12/01/76)	216.90	(8/22/77)	171.60	(10/27/77)	182.60	(11/15/77)
1978	207.00	(12/02/77)	239.80	(10/20/78)	178.00	(6/27/78)	217.50	(11/15/78)
1979	180.00	(12/01/78)	265.00	(10/02/79)	179.30	(12/06/78)	237.10	(11/15/79)
1980	218.00	(12/03/79)	238.90	(2/14/80)	160.00	(11/07/80)	171.00	(11/14/80)
1981	223.00	(7/16/80)	240.60	(7/18/80)	125.50	(10/22/81)	139.60	(11/13/81)
1982	224.00	(7/28/81)	224.50B	(7/28/81)	128.00	(9/30/82)	145.50	(11/15/82)
1983#	172.40	(7/20/82)	207.50	(12/17/82)	168.00A	(8/17/82)	.....	

B-Bid; A-Ask

# As of December 31, 1982

I.O.M. PRICE RANGE HISTORY
Highest/Lowest Price Per Delivery Month

S & P 500 STOCK INDEX FUTURES

DELIVERY MONTH:	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC	RECORD
Highest Futures Price	—	—	147.75	—	—	148.20B	—	—	148.70B	—	—	147.20B	148.70B
Delivery Year	—	—	1983	—	—	1983	—	—	1983	—	—	1983	Sep 1983
Date Reached	—	—	11/10/82	—	—	11/10/82	—	—	11/10/82	—	—	12/27/82	11/10/82
Lowest Futures Price	—	—	101.85	—	—	107.40	—	—	101.15	—	—	101.40	101.15
Delivery Year	—	—	1983	—	—	1982	—	—	1982	—	—	1982	Sep 1982
Date Reached	—	—	8/09/82	—	—	6/17/82	—	—	8/09/82	—	—	8/09/82	8/09/82

RANDOM LENGTH LUMBER FUTURES

DELIVERY MONTH:	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC	RECORD
Highest Futures Price	251.00	—	248.70	—	246.00	—	247.00	—	287.30	—	265.00	—	287.30
Delivery Year	1980	—	1979	—	1979	—	1979	—	1979	—	1979	—	Sep 1979
Date Reached	9/11/79	—	2/21/79	—	5/15/79	—	7/05/79	—	8/24/79	—	10/20/79	—	8/24/79
Lowest Futures Price	75.20	—	70.50	—	72.50	—	68.25	—	75.25	—	74.50	—	68.25
Delivery Year	1971	—	1970	—	1970	—	1970	—	1970	—	1970	—	Jly 1970
Date Reached	11/24/70	—	3/13/70	—	5/15/70	—	7/14/70	—	7/14/70	—	11/04/70	—	7/14/70

B-Bid; A-Ask
As of December 31, 1982

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

STANDARD AND POOR'S 500 STOCK INDEX FUTURES

JUNE 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Apr	116.35	120.60	116.05	117.50	118.20	....	....	3,998	2,722	26,347	1,295	412	1,295
May	117.10	120.10	110.75	111.00	116.34	....	....	13,321	2,467	113,182	5,187	1,537	3,977
Jne	110.75	112.05	107.40	107.60	109.41	....	....	11,257	9	77,118	4,197	....	....
Year	116.35	120.60	107.40	107.60	114.65	....	....	13,321	9	216,647	5,187	....	....

SEPTEMBER 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Apr	116.70	122.50	116.70	119.20	120.11	....	....	150	50	959	219	74	202
May	118.60	121.10	111.15	111.60	117.09	....	....	1,062	164	9,184	2,378	287	2,378
Jne	111.30	113.45	104.35	111.50	109.35	2	1	13,891	1,682	176,694	7,837	2,930	6,654
Jly	111.50	115.15	106.40	107.35	111.30	....	....	14,711	7,316	222,158	11,678	6,786	10,268
Aug	108.60	119.80	101.15	118.75	109.45	2	....	19,597	9,726	321,546	10,023	7,119	7,119
Sep	119.15	125.50	116.60	123.77	120.22	....	....	14,702	888	85,170	6,990	....	....
Year	116.70	125.50	101.15	123.77	114.59	4	1	19,597	50	815,711	11,678	....	....

DECEMBER 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Apr	118.00	124.20B	117.80	120.60	121.51	....	....	61	1	221	111	27	111
May	120.10	121.90B	111.80	112.05	117.95	....	....	90	11	645	372	110	372
Jne	111.50	113.85	104.60A	111.85	109.71	2	1	1,033	74	7,220	2,820	416	2,820
Jly	111.75	115.90	106.80A	107.94	111.90	....	....	1,447	358	14,360	5,024	2,961	5,024
Aug	109.20	120.30	101.40	119.45	110.08	2	....	3,923	810	51,021	6,396	5,155	6,340
Sep	119.70	127.65	116.95	119.35	122.42	....	....	22,660	4,043	318,059	11,819	6,806	11,189
Oct	119.25	143.00	118.55	134.55	133.21	3	1	27,437	15,177	476,126	13,103	10,564	11,022
Nov	135.00	146.80	131.40	138.65	138.86	2	....	32,042	10,275	488,367	13,398	11,170	12,023
Dec	139.90	145.70	134.75	135.30	139.30	....	....	35,241	78	209,600	11,564	2,929	....
Year	118.00	146.80	101.40	135.30	122.77	9	2	35,241	1	1,565,619	13,398	....	....

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

STANDARD AND POOR'S 500 STOCK INDEX FUTURES

MARCH 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Apr	118.70	125.00B	118.70	121.60	122.70	....	....	6	....	17	5	3	5
May	121.40	122.70	112.20A	112.70	118.78	....	....	40	....	86	54	5	53
Jne	111.20	114.35	105.20	112.15	110.21	....	....	30	3	244	127	56	123
Jly	112.25	116.10B	107.50A	108.40	112.41	....	....	28	4	281	180	125	173
Aug	109.90	121.00	101.85	120.05	110.59	2	....	245	6	1,002	349	170	342
Sep	120.10	128.20	117.80	119.80	123.03	....	....	576	28	4,719	1,012	337	1,012
Oct	119.70	143.50	119.05	135.10	133.77	4	1	1,398	321	14,253	1,520	953	1,493
Nov	135.65	147.75	132.30	139.35	139.61	2	....	2,767	658	26,928	4,417	1,574	4,417
Dec	141.50	146.85	134.70	141.80	140.43	1	....	26,625	5,990	285,814	11,667	5,080	10,853
Year	118.70	147.75	101.85	141.80	123.50	9	1	26,625	....	333,344	11,667	3	10,853

JUNE 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Jne	110.90	114.80B	110.20A	112.70	112.71	....	....	5	....	6	6	5	6
Jly	111.70	116.50B	107.70A	109.00	112.90	....	....	8	....	26	17	7	17
Aug	110.45	121.30B	102.50A	120.65	111.09	2	....	12	....	77	47	16	39
Sep	119.20	128.80	118.80A	120.30	123.71	....	....	21	....	106	53	20	53
Oct	120.85	144.00B	119.90A	135.65	134.34	3	1	68	....	186	72	43	43
Nov	137.80	148.20B	133.10	139.90	140.24	2	1	43	1	314	126	44	121
Dec	141.40	147.50	135.00	142.45	141.13	2	1	379	11	3,018	693	120	693
Year	110.90	148.20B	102.50A	142.45	125.16	9	3	379	....	3,733	693	5	693

SEPTEMBER 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Sep	123.50	128.90B	120.70A	120.70	124.40	....	....	18	....	31	19	....	17
Oct	121.00	144.60B	120.70A	136.20	134.94	2	1	56	....	132	67	29	67
Nov	145.30	148.70B	133.70A	140.50	140.85	2	....	3	....	16	67	40	40
Dec	142.90	147.60B	136.00A	143.00	141.70	2	....	69	....	289	136	46	116
Year	123.50	148.70B	120.70A	143.00	135.47	6	1	69	....	468	136	....	116

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
STANDARD AND POOR'S 500 STOCK INDEX FUTURES DECEMBER 1983 FUTURES CONTRACT													
Dec	138.00	147.20B	138.00	143.50	142.82	1	....	5	....	10	9	....	9
Year	138.00	147.20B	138.00	143.50	142.82	1	....	5	....	10	9	....	9
RANDOM LENGTH LUMBER FUTURES JANUARY 1982 FUTURES CONTRACT													
Jan	146.50	152.00	142.60	145.90	146.80	1	....	430	178	2,794	1,352	....	....
Year	146.50	152.00	142.60	145.90	146.80	1	....	430	178	2,794	1,352	....	....
MARCH 1982 FUTURES CONTRACT													
Jan	158.50	160.00	141.10	148.80	151.95	1	2	1,975	933	28,634	3,995	3,307	3,253
Feb	144.30	146.30	133.60	133.70	140.91	1	2	1,522	433	16,595	3,298	1,690	1,690
Mar	134.70	139.50	130.60	139.00	134.84	....	....	713	111	3,725	1,514	....	....
Year	158.50	160.00	130.60	139.00	142.57	2	4	1,975	111	48,954	3,995	....	....
MAY 1982 FUTURES CONTRACT													
Jan	164.50	166.50	147.60	154.00	157.95	....	1	1,179	339	14,650	3,343	1,835	3,280
Feb	149.20	153.10	142.70	142.90	147.81	1	2	2,203	282	21,705	4,081	3,348	3,898
Mar	144.10	151.90	137.50	142.40	143.74	....	....	2,080	466	25,929	4,092	2,895	2,998
Apr	143.50	145.20	120.60	126.80	133.86	1	....	1,491	375	15,442	3,091	1,710	1,710
May	125.50	127.50	115.50	122.60	123.31	1	2	556	142	3,144	1,671	....	....
Year	164.50	166.50	115.50	122.60	141.34	3	5	2,203	142	80,870	4,092	....	....

Section Two

I.O.M. CONTRACTS DAILY PRICE RANGES

S & P 500 STOCK INDEX FUTURES PRICES

Daily price range, volume and open interest on the Index and Option Market (S & P 500—$500.00 times Standard and Poor's 500 Stock Price Index)

JUNE 1982 FUTURES CONTRACT IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Sett Price ##	Volume (Trades Cleared)	Open Interest
21	116.35@.25	#117.60	*116.05	117.45@ 50	117.45	3696	412
22	117.00@.10	#118.40	117.00	118.00@1 .7.85	117.90	2827	719
23	118.35@.30	#119.75	118.25	119.65@.70	119.65	2933	946
26	119.30@.25	#120.60	118.65	120.55@.60	120.55	2871	1084
27	120.20	120.35	118.40	118.80@.85	118.85	3854	1142
28	118.55@.60	119.30	117.70	118.10@.15	118.15	3998	1306
29	117.50@.45	118.15	117.25	117.55@.60	117.60	3446	1219
30	117.55@.70	118.40	117.40	117.45@.55	117.50	2722	1295
IN MAY							
3	117.10@.15	117.50	116.80	117.20@.10	117.15	2695	1585
4	117.25@.35	118.05	117.25	117.85@.75	117.80	2467	1537
5	117.85@118.00	118.30	117.05	117.55@.50	117.55	2556	1662
6	118.05@.15	119.20	118.05	119.10@.15	119.10	4574	2078
7	119.15@.10	120.10	119.00	119.60@.75	119.65	3715	2128
10	119.20@.30	119.40	118.45	118.45@.50	118.50	3794	2467
11	118.45@.35	119.95	118.35	119.65@.75	119.70	4460	2998
12	119.85@.95	120.35	119.05	119.50@.60	119.55	4798	2655
13	119.55@.60	119.75	118.15	118.30@.40	118.35	4736	2935
14	118.55@.70	118.75	118.10	118.25@.35	118.30	3748	2751
17	118.15@.05	118.15	116.50	116.50@.65	116.60	3973	2929
18	116.60	116.70	*115.75	116.00@115.95	116.00	6090	3399
19	115.95@116.05	116.35	*114.45	114.60@.70	114.65	6686	3732
20	114.85@.95	115.20	*114.15	114.90@115.00	114.95	7539	4858
21	115.25@.20	115.60	114.75	114.85@.90	114.90	4763	4697
24	114.80@.95	115.15	114.15	115.05@114.95	115.00	4917	4717
25	115.20@.30	115.65	*113.45	113.70@.75	113.75	13321	5155
26	114.00@.10	114.10	*112.00	112.55@.45	112.50	11687	5187
27	112.45@.30	112.60	*111.20	111.90@.80	111.85	9825	3841
28	111.70@.80	112.50	*110.75	111.20@110.80	111.00	6838	3977
IN JUNE							
1	110.75@.55	111.20	*109.90	110.00@.10	110.05	7378	4167
2	110.30@.25	111.75	*109.85	111.55@.60	111.55	7273	4140
3	111.65@.75	112.05	*109.70	110.45@.55	110.50	8020	3678
4	110.40@.30	110.45	*108.00	108.20@.00	108.10	7160	3412
7	108.10@.00	109.85	*107.45	109.00@.15	109.05	9489	4197
8	108.80@.70	109.95	107.90	108.60@.40	108.50	11257	3902
9	108.50@.60	109.10	107.60	108.50@.70	108.60	10188	3948
10	108.50@.35	109.85	108.25	109.15@.20	109.15	7299	3074
11	110.20@.40	111.70	110.10	111.40@.50	111.45	4013	2723
14	110.00@109.95	110.45	108.80	108.85@.95	108.90	2250	2566
15	109.05@.10	110.00	108.30	109.80@110.00	109.90	1246	2021
16	109.90	110.20B	108.75	108.95	108.95	1135	1575
17	108.00	108.25	*107.40	107.65	107.60	401	642
18	539 Contracts Delivered					9	. . . .

B-Bid; A-Ask; N-Nominal; ##Determined by C.M.E. Rule 813

Italic figures indicate limit high or low price; #New Contract High; *New Contract Low

Note: Volume or Open Interest may be affected by spreads and previous days' trades cleared today. Open Interest may also be affected by adjustments and deliveries. Exchange holidays and days on which no sales, bids or offers occurred are omitted.

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

RANDOM LENGTH LUMBER FUTURES

JULY 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit		Single Day Volume		Total Volume	Single Day Open Interest		Open Interest Mth End
						Up	Dwn	High	Low		High	Low	
Jan	176.00	176.00	158.20	164.10	164.14	....	1	372	43	2,796	975	667	938
Feb	160.00	164.40	154.30	154.50	159.17	....	1	708	67	4,226	1,297	939	1,289
Mar	155.80	160.80	147.60	152.70	154.18	....	....	981	262	10,836	1,901	1,297	1,884
Apr	152.70	156.20	133.60	139.50	146.02	1	....	1,847	214	22,264	3,452	1,871	3,322
May	138.80	146.40	132.30	142.80	139.63	....	1	2,187	736	26,680	3,776	3,174	3,214
Jne	139.50	143.50	129.00	137.20	136.93	....	2	1,865	270	21,084	2,883	1,221	1,221
Jly	137.40	143.30	131.00	135.30	138.54	....	....	360	....	2,064	1,129	....	....
Year	176.00	176.00	129.00	135.30	148.37	1	5	2,187	....	89,950	3,776	....	....

SEPTEMBER 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit		Single Day Volume		Total Volume	Single Day Open Interest		Open Interest Mth End
						Up	Dwn	High	Low		High	Low	
Jan	184.70	184.80	166.90	173.80	176.70	1	1	372	43	1,067	975	667	938
Feb	170.00	171.80	165.00	163.50	167.66	....	1	124	19	1,237	808	673	763
Mar	164.90	168.70	155.30	159.60	162.38	....	1	149	29	2,051	886	777	880
Apr	160.00	163.30	143.40	148.50	154.86	1	....	668	35	4,468	1,2[illegible]5	863	1,207
May	147.50	154.90	142.80	152.40	149.12	....	1	885	147	8,199	1,794	1,236	1,726
Jne	150.50	150.50	131.60	137.30	139.19	1	2	1,545	508	18,609	2,290	1,688	2,287
Jly	137.30	146.40	132.00	132.30	138.54	1	....	2,072	505	20,691	2,703	1,917	1,917
Aug	134.90	138.80	123.70	134.90	132.03	1	....	1,187	149	11,868	1,978	863	863
Sep	135.00	136.50	127.60	127.60	132.83	....	1	171	75	1,238	813	....	....
Year	184.00	184.80	123.70	127.60	150.37	5	7	2,072	19	69,428	2,703	....	....

NOVEMBER 1982 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit		Single Day Volume		Total Volume	Single Day Open Interest		Open Interest Mth End
						Up	Dwn	High	Low		High	Low	
Jan	184.50	184.50	168.10	173.00	176.81	1	....	93	12	767	673	533	673
Feb	169.00	173.00	166.10A	165.50	168.78	....	1	108	13	893	749	672	728

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

RANDOM LENGTH LUMBER FUTURES

NOVEMBER 1982 FUTURES CONTRACT (Cont'd)

Period	Open	High	Low	Mth End Sett.	Avg Sett	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Mar	166.00	169.80	157.10	160.50	163.47	1	1	122	27	1,325	864	651	672
Apr	161.00	164.30B	146.70	149.40	156.11	1	....	103	19	1,187	693	531	629
May	149.70	158.80	146.00	156.30	152.68	....	....	236	24	1,814	854	631	854
Jne	154.30	154.30	132.60	139.30	141.25	....	3	608	76	5,745	1,314	837	1,273
Jly	139.00	149.50	133.50	135.10	141.16	1	....	768	157	8,879	1,494	1,213	1,494
Aug	137.40	147.80	129.50	142.40	137.63	1	....	1,571	237	16,706	2,806	1,529	2,742
Sep	142.00	144.50	128.00	130.00	135.99	....	....	1,885	345	18,901	2,999	2,440	2,802
Oct	122.00	147.30	131.00	141.30	138.61	2	1	1,669	378	17,619	2,944	1,730	1,730
Nov	142.00	151.00	141.10	145.50	146.00	2	....	589	....	3,712	1,677	....	....
Year	184.50	184.50	128.00	145.50	150.77	8	5	1,885	....	77,548	2,999	....	....
JANUARY 1983 FUTURES CONTRACT													
Jan	192.00	192.00	176.00A	182.30	185.26	....	....	74	8	536	530	464	500
Feb	179.10	180.50	172.20	173.00	176.61	....	2	86	1	467	563	497	556
Mar	175.50	177.00	165.00	168.50	171.00	....	....	88	1	528	561	411	411
Apr	169.00	171.00B	155.00	158.00	163.75	1	....	50	1	384	413	290	366
May	157.00	167.00	153.20	163.20	160.18	....	....	57	2	417	390	359	384
Jne	161.10	161.10	139.10	146.10	148.46	1	3	131	20	1,310	455	374	430
Jly	146.80	156.80	143.50	143.80	148.91	1	....	198	32	2,018	709	428	608
Aug	146.50	156.90	139.00	152.00	146.95	1	....	467	58	5,032	1,146	642	1,146
Sep	151.90	154.90	140.20	141.70	146.63	....	....	725	135	7,764	1,739	1,177	1,739
Oct	143.00	162.00	139.30	159.60	152.58	3	1	1,630	389	23,216	3,669	1,691	3,578
Nov	160.80	171.40	158.40	166.90	165.00	2	....	1,822	765	29,347	4,824	3,763	4,780
Dec	167.90	170.30	159.40	167.50	165.53	....	1	1,998	94	17,877	4,882	2,104	2,104
Year	192.00	192.00	139.00	167.50	160.91	9	7	1,998	1	88,896	4,882	290	2,104

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

RANDOM LENGTH LUMBER FUTURES

MARCH 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Jan......	194.00	196.00B	183.00A	188.50	191.10	....	....	4	....	10	9	7	9
Feb......	185.00	191.00	182.50A	182.50	186.00	....	1	13	....	35	23	12	21
Mar......	183.50	185.00	171.50	177.30	179.10	....	....	24	....	160	55	23	50
Apr......	179.30	179.50B	164.10A	167.10	172.16	....	1	37	....	177	80	48	72
May.....	166.00	172.30B	164.00A	170.00	167.86	....	....	32	....	223	116	71	116
Jne......	169.60	169.60	146.80	151.00	155.32	1	1	64	....	363	144	108	143
Jly......	157.50	168.50	154.80	158.60	160.88	1	....	40	....	456	182	135	182
Aug......	155.00	165.20	147.00	159.00	154.75	2	....	114	....	849	328	151	328
Sep......	159.50	162.30	150.20	150.50	155.97	....	....	184	5	1,123	579	322	579
Oct......	152.60	172.50	149.10	170.60	163.04	3	1	445	49	4,432	1,235	573	1,235
Nov......	172.00	182.60	169.50	178.20	177.12	2	....	798	373	12,082	2,571	1,407	2,571
Dec......	179.50	186.10	173.30	182.20	180.67	1	....	1,978	345	20,101	3,955	2,709	3,955
Year.....	194.00	196.00B	146.80	182.20	170.33	10	4	1,978	....	40,011	3,955	7	3,955

MAY 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Jan......	201.50	203.00B	191.00A	197.40	196.55	....	....	8	....	14	9	1	9
Feb......	194.00	197.40	190.00A	190.00	193.72	....	1	13	....	35	37	20	37
Mar......	191.00	192.70	180.00A	185.00	186.51	....	1	15	....	130	75	39	75
Apr......	185.50	186.50B	172.00A	174.00	179.54	....	....	20	....	102	85	69	85
May.....	172.50	178.40	170.00A	175.50	173.69	....	....	30	....	171	131	83	129
Jne......	170.50	171.00B	151.50	157.00	160.77	1	2	36	....	217	150	124	134
Jly......	157.50	168.50	154.80	158.60	160.88	1	....	40	....	204	182	135	182

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

RANDOM LENGTH LUMBER FUTURES

MAY 1983 FUTURES CONTRACT (Cont'd)

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Aug	160.00	170.90	155.20	166.00	161.98	1	....	55	2	440	242	183	221
Sep	165.30	169.30	157.60	159.70	164.58	....	....	35	....	274	238	214	214
Oct	160.50	179.60	157.90	178.70	171.98	....	1	124	9	1,240	535	223	535
Nov	179.20	191.70	178.60	185.90	185.66	2	....	269	74	3,119	1,125	575	1,120
Dec	186.50	195.30	181.10	191.00	189.11	1	....	474	58	3,562	1,512	1,134	1,512
Year	201.50	203.00B	151.50	191.00	177.08	6	....	474	....	9,508	1,512	1	1,512

JULY 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Mar	195.00	201.00	193.50A	193.50	196.25	....	....	11	....	33	20	1	20
Apr	194.30	194.70	180.50	183.30	187.98	....	1	19	....	92	73	20	69
May	182.30	185.50	176.30	183.00	180.84	....	1	19	....	158	140	69	140
Jne	182.80	182.80	158.00A	162.80	168.19	1	3	24	....	154	149	129	142
Jly	165.50	174.80	161.00A	165.90	167.44	1	....	47	....	152	210	133	210
Aug	167.50	177.00	162.00	170.50	169.09	1	1	41	....	287	289	221	289
Sep	172.00	176.50B	165.00	166.70	172.40	....	....	74	2	361	449	292	449
Oct	168.00	187.50	165.50	186.90	180.42	....	....	75	5	678	651	450	651
Nov	187.40	198.50	187.30	194.50	193.76	2	....	127	25	1,476	984	669	984
Dec	194.50	202.60	191.00	200.10	197.93	....	....	183	12	1,671	1,103	932	1,101
Year	195.00	202.60	158.00A	200.10	181.43	5	6	183	....	5,062	1,103	1	1,101

SEPTEMBER 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
May	185.50	187.90	185.50	187.00	186.30	....	....	9	....	22	15	....	15
Jne	181.10	184.00	162.80	167.00	172.05	1	4	6	....	30	23	15	18
Jly	168.00	178.00B	164.20A	168.00	170.63	1	....	31	....	54	57	19	57
Aug	169.00	180.20B	165.50	172.00	171.76	1	....	29	....	204	185	78	185
Sep	174.00	178.50	169.60	171.50	175.85	....	....	27	....	129	249	186	249
Oct	171.90	191.40	169.50	191.20	184.40	1	....	44	5	397	422	251	420
Nov	192.30	201.60	191.00	197.00	197.97	1	....	93	14	795	703	426	703
Dec	196.00	206.40	193.60A	203.70	201.50	....	....	100	8	814	948	717	843
Year	185.50	206.40	162.80	203.70	182.56	5	4	100	....	2,445	948	....	843

NOVEMBER 1983 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Jly	172.40	174.50B	168.50A	169.00	171.74	....	....	3	....	6	5	1	5
Aug	170.50	181.70B	168.00A	175.00	173.47	1	....	11	....	46	33	5	33
Sep	178.50	180.50B	172.00A	173.30	177.31	....	....	9	....	44	55	33	55
Oct	172.00	193.00	171.50A	192.00	184.67	....	....	19	....	146	117	55	109
Nov	193.00	202.50	192.20	197.30	197.93	1	....	39	1	399	264	117	264
Dec	199.00	207.50	195.00	204.70	202.05	....	....	41	1	281	348	273	306
Year	172.40	207.50	168.00A	204.70	184.53	2	....	41	....	922	348	1	306

1982 MONTHLY REVIEW OF CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

RANDOM LENGTH LUMBER FUTURES

JANUARY 1984 FUTURES CONTRACT

Period	Open	High	Low	Mth End Sett.	Avg Sett.	# Days Limit Up	# Days Limit Dwn	Single Day Volume High	Single Day Volume Low	Jan. Total Volume	Single Day Open Interest High	Single Day Open Interest Low	Open Interest Mth End
Sep......	179.00	185.70B	178.00A	178.40	181.88	1	....	1	....	1	1	1	1
Oct......	180.00	197.00B	176.50A	196.00	190.00	....	....	7	....	33	24	1	24
Nov......	199.50	210.50	198.50A	205.50	204.81	1	....	18	....	109	65	25	65
Dec......	204.70	212.30	201.00A	209.30	207.26	....	....	13	....	62	80	65	80
Year.....	179.00	212.30	176.50A	209.30	195.99	2	....	18	....	205	80	1	80
MARCH 1984 FUTURES CONTRACT													
Nov......	210.10	212.80B	209.20A	209.20	210.69	....	....	2	....	7	3	1	3
Dec......	209.50	217.00B	205.10A	213.00	211.85	....	....	6	....	19	14	3	14
Year.....	210.10	217.00B	205.10A	213.00	211.27	....	....	6	....	26	14	1	14

1982 EXCHANGE HOLIDAY CLOSINGS

Jan 1	New Year's Day	Jly 5	Independence Day
Feb 15	President's Day	Sep 6	Labor Day
Apr 9	Good Friday	Nov 25	Thanksgiving Day
May 31	Memorial Day	Dec 24	Christmas

NUMBER OF BUSINESS DAYS DURING 1982: 253

Jan . . . 20	Apr . . . 21	Jly 21	Oct . . . 21
Feb . . . 19	May . . . 20	Aug . . . 22	Nov . . . 21
Mar . . . 23	Jne . . . 22	Sep . . . 21	Dec . . . 22

DAILY RECORDED MESSAGES PROVIDED BY THE CHICAGO MERCANTILE EXCHANGE
MERC LINE
312-930-8282

S & P 500 STOCK INDEX FUTURES PRICES

SEPTEMBER 1982 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
21....	116.70@.80	#118.60	*116.70	118.45A	118.45	203	74
22....	118.10@.15	#119.40	118.05A	119.10B@.00	119.05	121	111
23....	119.30	#121.40B	119.30	121.40B	121.40	121	141
26....	120.95	#122.50	120.70	122.40B@.50	122.45	150	170
27....	122.30	122.35	120.20	120.70A	120.70	109	199
28....	120.25@.15	121.10B	119.70	120.15	120.15	131	219
29....	119.90	120.00	119.20	119.50	119.50	65	201
30....	119.35	120.10	119.05	119.20	119.20	59	202
				IN MAY			
3....	118.60@.55	119.00	118.30A	118.70A@.55	118.65	171	287
4....	118.95	119.20	118.90	119.05A@.00	119.00	166	347
5....	119.05	119.55B	118.30	118.75B	118.75	164	359
6....	119.10@.15	120.15	119.10	120.05@.15	120.10	581	577
7....	120.20	121.00	120.00	120.60A	120.60	282	611
10....	120.25	120.35B	119.40	119.40A	119.40	398	819
11....	119.25	120.80	119.25	120.40	120.40	238	875
12....	120.55	121.10	119.65	120.25B	120.25	374	1019
13....	119.95	120.55	118.90	119.10	119.10	229	1024
14....	119.25	119.50	118.95	119.10B	119.10	178	1009
17....	118.95	118.95	117.25	117.30A@.25	117.30	270	1107
18....	117.30@.20	117.40	*116.25	116.55@.40	116.50	541	1355
19....	116.45@.50	116.90	*115.95	115.45@.30A	115.35	437	1348
20....	115.45	115.75	*114.70	115.65@.70	115.65	829	1592
21....	115.85@.95	116.30	115.30	115.60@.45	115.55	394	1649
24....	115.40	115.75	114.55	115.45@.40	115.45	555	1838
25....	115.75@.95	116.30	*113.80	114.05@.00	114.05	759	1979
26....	114.40	114.40	*112.25	112.80	112.80	1062	2288
27....	112.70@.65	112.95	*111.55	112.30@.40	112.35	677	2275
28....	112.35	113.00	*111.15	111.65@.50A	111.60	879	2378
				IN JUNE			
1....	111.30@.10	111.70	*109.90	110.05B@.15	110.10	1682	2930
2....	110.15@.20	111.80	*109.85	111.70@.60	111.65	2103	2949
3....	111.85@.95	112.25	*109.50	110.40@.30	110.40	1904	3130
4....	110.30	110.40	*107.70	107.85@.70	107.75	2914	3548
7....	107.60@.55	109.40	*106.90	108.60	108.60	4576	4084
8....	108.35@.30	109.40	107.30	107.85@.70	107.80	5125	4401
9....	107.65@.70	108.10	*106.60	108.05@.00	108.00	6409	5510
10....	107.80@.70	109.60	107.60	109.05@.00	109.00	7044	6196
11....	111.40@110.40	*112.00*	110.30	111.50@.60	111.55	7863	6111
14....	110.50@.30	110.50	*108.55*	108.55@.55A	108.55	7548	6421
15....	108.50@.60	110.00	107.20	109.85@110.00	109.90	10888	6473
16....	109.45@.60	110.25	107.75	108.00@.15	108.10	11706	7395
17....	105.50@106.00	106.95	*105.15	105.55@.45	105.50	10269	7280
18....	105.80@.60	106.15	*104.35	104.50@.80	104.65	7257	7232
21....	105.20@.35	107.40	104.75	106.45@.60	106.50	10875	7596
22....	106.50@.40	*109.50*	106.10	109.40@.45	109.40	11220	7837
23....	108.95@109.00	112.15	108.10	111.80@.90	111.85	13395	7073
24....	112.10@.00	112.60	109.75	110.30@.10	110.20	13891	6153
25....	110.00@.10	110.80	108.80	110.25@.50	110.35	9903	6345
28....	110.05@109.90	112.35	109.65	112.25@.15	112.20	9531	6249
29....	111.85@.95	112.45	111.10	112.35@.20	112.25	9849	6007
30....	113.30@.40	113.45	111.05	111.40@.50	111.50	10742	6654

S & P 500 STOCK INDEX FUTURES PRICES

SEPTEMBER 1982 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	111.50@.60	111.75	109.75	109.90@.75	109.85	8745	6786
2	109.55@.50	109.55	107.85	108.40@.20	108.30	7316	6885
6	108.40@.30	109.50	106.40	109.35@.45	109.40	9978	6954
7	108.80@.65	110.00	107.75	109.20@.35	109.30	11699	7096
8	109.50@.60	111.00	106.80	110.80@.90	110.85	14449	6964
9	111.50@.30	113.00	110.20	112.50@.90	112.70	14711	7449
12	112.90@.60	113.30	111.75	112.35@.15	112.25	11499	8259
13	110.70@.90	112.90	110.70	111.75@.85	111.80	11999	8510
14	111.50@.35	113.60	110.55	113.45@.60	113.55	10248	8622
15	113.70@.60	114.30	112.85	113.55@.45	113.50	11745	8544
16	113.50@.60	115.15	113.10	114.20@.00	114.10	7792	8706
19	114.35@.40	114.50	112.30	112.50@.40	112.45	8940	9426
20	113.00@.10	114.30	111.80	114.25@.20	114.20	10020	9672
21	114.10@.20	114.95	113.05	113.10@.20	113.15	10457	9539
22	113.10@.00	114.50	112.75	113.60@.50	113.55	10404	9470
23	113.40@.55	113.95	112.40	112.60@.55	112.60	7656	10297
26	111.80@112.00	112.75	111.10	111.25@.15	111.20	8221	9894
27	111.35@.25	112.00	110.20	110.65@.50	110.60	9249	9900
28	110.50@.60	110.75	108.20	108.20@.30	108.25	11915	11678
29	108.70@.80	109.15	106.50	108.60@.10	108.35	13785	10335
30	108.80@.60	108.80	106.75	107.50@.15	107.35	11330	10268
IN AUGUST							
2	108.60@.40	110.05	107.85	109.95@110.05	110.00	11397	9171
3	109.45@.40	109.75	106.95	107.05@.30	107.20	11137	9354
4	107.00@.05	107.60	104.85	105.30@104.95	105.15	12443	10020
5	104.75@.65	105.70	*103.85	105.30@.50	105.40	12454	9929
6	104.80@.90	105.50	*102.40	102.65@.50	102.60	10931	10023
9	101.95@.85	103.95	*101.15	103.80@.95	103.85	13245	9370
10	103.85@104.00	104.50	101.80	102.10@.00	102.05	15112	9772
11	102.00@101.85	103.50	101.75	102.75@.60	102.65	14232	9652
12	103.05@.15	104.05	102.05	102.30@.40	102.35	11643	9507
13	102.50@.45	105.00	102.40	104.70@105.00	104.85	9726	8913
16	105.60	106.40	103.20	103.40@.20	103.30	13047	8800
17	103.90@104.10	*108.30*	103.75	108.30@.30B	108.30	18093	9350
18	109.70@110.00	111.55	107.40	108.00@.30	108.15	19597	9098
19	108.25@.10	110.40	107.05	109.20@.30	109.25	19280	7868
20	110.10@.30	*114.25*	109.30	114.25@.25B	114.25	14745	7584
23	112.90@.70	117.10	112.45A	116.70@.35	116.50	17050	7704
24	116.00@115.80	117.30	114.30	115.10@114.90	115.00	18495	8106
25	115.00@.30	118.00	114.80	117.10@.25	117.15	17624	7705
26	117.60@.30	119.40	116.30	118.00@.15	118.05	17590	7473
27	116.40@.70	117.40	115.10	115.70@116.10	115.90	13816	7268
30	115.75@.90	118.05	114.90	118.05@117.95	118.00	13221	7655
31	117.80@.70	119.80	117.25	118.95@.75	118.75	16668	7119
IN SEPTEMBER							
1	119.15@.00	119.60	116.75	117.10@116.90	117.00	12654	6952
2	117.50@.40	121.50	116.60	120.95@.85	120.90	14702	6990
3	121.60@122.00	#125.50	121.40	123.00@.25	123.10	14530	6081
7	123.40@.10	123.40	120.95	121.80@.70	121.75	9915	5765
8	121.40@.25	124.45	121.20	122.60@.70	122.65	11468	4853
9	122.00@.25	123.90	120.70	121.05@120.80	120.95	9196	4854
10	120.60@.45	120.95	118.85	119.80@.50	119.65	5382	3412
13	119.60@.55	123.50	119.00	123.30@.50	123.40	2738	2680
14	123.20@.30	124.50	122.55	123.35	123.35	2259	2178
15	123.85@124.00	124.30	122.45	124.00@123.80	123.90	1414	1850
16	124.10@.00	124.90	123.60	123.70	123.77	888	1241
17	1172 Contracts Delivered					24	. . . .

S & P 500 STOCK INDEX FUTURES PRICES

DECEMBER 1982 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Settl. Price	Volume (Trades Cleared)	Open Interest
21....	118.00	#119.40B	*117.60	119.30B	119.30	58	27
22....	119.80	#120.45B	119.00A	120.10	120.10	32	38
23....	120.35	#122.50	120.35	122.50	122.50	5	42
26....	122.30	#124.20B	122.10	124.20B	124.20	27	46
27....	123.85	123.95B	122.10	122.50B	122.50	15	56
28....	122.10	122.80	121.50A	121.55A	121.55	22	68
29....	121.25	121.65B	121.20	121.40B	121.40	1	68
30....	120.85	121.40B	120.60A	120.60A	120.60	61	111
IN MAY							
3....	120.10	120.60B	120.10	120.25A	120.25	14	110
4....	120.50	120.70	120.10A	120.10A	120.10	67	124
5....	120.60	120.70	119.30	119.55B	119.55	24	142
6....	120.75	121.15	120.50A	120.80B	120.80	12	144
7....	121.30	121.80	121.30	121.55B	121.55	11	147
10....	121.40	121.40	120.25A	120.25A	120.25	26	168
11....	120.15	121.35B	120.10	121.30B	121.30	11	168
12....	121.70	121.90B	120.65A	121.10A	121.10	13	173
13....	121.10	121.30	120.00A	120.00A	120.00	52	203
14....	120.10	120.25B	120.00	120.00	120.00	11	213
17....	119.50	119.60	118.40	118.40	118.40	49	229
18....	117.50	117.50	*116.90A	117.00	117.00	46	249
19....	116.80	117.50B	*115.80A	116.10@115.80A	115.95	44	285
20....	116.15	116.55	*115.05A	116.50B	116.50	35	283
21....	116.60	116.90B	116.40	116.40	116.40	14	285
24....	115.55	116.30B	115.40A	116.30B	116.30	11	288
25....	117.00	117.00	*115.00A	115.00A	115.00	40	303
26....	115.10	115.10	*112.85	113.45B	113.45	90	354
27....	113.40	113.55B	*112.25	113.10	113.10	17	361
28....	113.30	113.50B	*111.80	112.05@.00	112.05	58	372
IN JUNE							
1....	111.50	112.10	*110.25	110.55B	110.55	78	416
2....	110.75	112.30	110.30	112.10B@.30	112.20	74	431
3....	112.50	112.80	*109.90A	110.85A	110.85	141	448
4....	110.50	110.50	*108.10A	108.20A	108.20	179	505
7....	108.00@107.95	109.90	*107.40	109.10A	109.10	215	631
8....	109.40	109.80B	107.95A	108.30@.15A	108.20	275	790
9....	108.20	108.45	*107.00	108.25B@.45	108.35	304	892
10....	108.15	109.90	108.10A	109.30@.20A	109.25	421	1032
11....	111.00@.50	*112.25*	110.80A	111.90	111.90	186	1068
14....	111.00@110.65	111.00	*108.90*	108.90A	108.90	158	1088
15....	108.70	110.20	107.65	110.20	110.20	138	1089
16....	110.00	110.85	108.30	108.45B	108.45	162	1107
17....	106.00	107.20	*105.45A	105.90@.70A	105.75	344	1218
18....	105.95@.90	106.45	*104.60A	104.75@.90	104.90	267	1327
21....	105.10	107.60	104.85A	106.70	106.70	437	1363
22....	106.75	*109.70*	106.45	109.70B	109.70	359	1412
23....	109.20@.35	112.40	108.50	112.15	112.15	754	1566
24....	112.50	112.85	110.20	110.40@.60B	110.50	541	1775
25....	110.30	111.00B	109.20	110.75B	110.70	277	1853
28....	110.25	112.65	109.95A	112.60@.50A	112.55	277	1876
29....	112.20	112.85	111.60	112.70B	112.70	600	2282
30....	113.65	113.85	111.25	111.90@.85	111.85	1033	2820

S & P 500 STOCK INDEX FUTURES PRICES

DECEMBER 1982 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	111.75	112.00	110.25	110.25	110.25	603	2961
2....	109.85@.90	109.90	108.15	108.50@.40	108.55	755	3145
6....	108.80@.70	109.90	106.80A	109.70A	109.70	440	3288
7....	108.90@.85	110.25	108.00	109.50@.70B	109.60	462	3358
8....	109.85	111.45	107.25	111.35@.45	111.35	439	3446
9....	112.15	113.80	110.80	113.35	113.35	650	3543
12....	113.80@.75	113.95	112.50	112.90@113.00	112.90	771	3657
13....	111.65@.55	113.55	111.55	112.25@.35B	112.35	566	3688
14....	111.95	114.20	111.25	114.15B@.20	114.15	610	3763
15....	114.35	115.10	113.55	114.20	114.20	1006	3796
16....	114.15@.20	115.90	113.95	114.90@.60	114.80	536	3953
19....	115.10@.15	115.20	113.00	113.10@.00	113.05	596	4112
20....	113.95@.90	114.95	112.35	114.60@.80	114.75	662	4218
21....	114.80@.70	115.60	113.80	113.80@.90	113.85	806	4468
22....	113.60@.65	115.25	113.40	114.25@.35	114.30	482	4461
23....	114.20@.15	114.80	113.40	113.50	113.50	358	4483
26....	112.70	113.50B	112.10	112.15@.10	112.15	548	4676
27....	112.15@.10	112.85	110.70	111.30@.40B	111.40	774	4786
28....	111.25	111.50	108.65	108.70@.80B	108.80	1297	4888
29....	109.25	109.65	107.05	109.30A@108.70	108.90	1444	4949
30....	109.50	109.50	107.55	107.85@.70	107.90	555	5024
			IN AUGUST				
2....	109.20@.30	110.85	108.65	110.75@.70	110.75	953	5155
3....	110.50@.40	110.65	107.70	107.75@.108.00	107.90	1414	5180
4....	107.60@.80	108.15	105.40	105.75@.40	105.70	1514	5394
5....	105.15@.10	106.30	*104.50	105.95@.60	105.85	2020	5594
6....	105.10	106.20	*102.75	102.80@.95	103.00	1231	5543
9....	102.00@.10	104.45	*101.40	104.45@.30	104.35	1625	5597
10....	104.40@.50	105.00	102.40	102.60	102.60	1385	5664
11....	102.45	104.50	102.30	103.25@.05	103.20	810	5650
12....	103.65@.75	104.55	102.55	102.80@.95B	102.90	1210	5599
13....	103.25@.00	105.40	103.00	104.90@105.40	105.30	1056	5580
16....	106.20@.50	107.30	103.50	103.80@.50	103.65	1979	5752
17....	104.60@.85	108.65	104.20	108.65B	108.65	2573	5905
18....	110.90@.70	112.30	108.05	108.75@.90	108.80	3778	5829
19....	108.80	111.00	108.00	110.00@.20	110.10	3106	5971
20....	111.00@.30	115.10	110.30	115.10@.10B	115.10	2759	5919
23....	113.30@.10	118.00	113.10	117.50@.30	117.40	3923	6259
24....	116.90@117.00	118.15	115.15	115.50@.70	115.75	3621	6178
25....	115.80@.90	118.60	115.60	117.75@.90	117.80	2299	6396
26....	117.75@.80	120.00	116.75	118.70@.45	118.55	3795	5908
27....	117.80@.40	118.00	115.60	116.35@.65	116.50	2978	6133
30....	116.60@.50	118.45	115.40	118.45@.35	118.40	3230	5974
31....	118.00@.20	120.30	117.80	119.40@.65	119.45	3762	6340
			IN SEPTEMBER				
1....	119.70@.85	120.25	117.10	117.40@.20	117.30	4043	6806
2....	117.60@.80	122.05	116.95	121.50@.35	121.40	5504	6988
3....	122.00@123.10	#126.00	121.75	123.60@.30	123.50	8129	7475
7....	124.00@.50	124.50	121.25	121.90@122.00	122.00	6741	8121
8....	121.40@.50	125.20	121.40	123.15@.35	123.25	9816	8446
9....	122.80@.50	124.50	120.85	121.15@120.85	121.00	11372	9196
10....	121.00@120.80	121.10	118.95	119.90@.70	119.80	13451	9923
13....	119.40@.60	124.40	118.90	124.30@.95	124.10	18662	10094
14....	124.10@.35	125.45	122.80	123.65@.75	123.70	22660	10195
15....	124.40@.20	125.15	122.50	124.50@123.95	124.20	21767	10123
16....	124.15@.25	125.70	122.90	123.60@.50	123.55	19249	11389
17....	123.30@.40	124.35	122.25	122.50@.80	122.65	14340	10954
20....	121.65@.85	123.50	121.20	123.50@.40	123.45	16759	11240
21....	123.65@.85	#126.50	123.30	126.25@.50	126.35	19405	10683
22....	127.05@.35	#127.65	122.00	122.00@.35	122.20	22335	10569
23....	123.30@.00	124.30	121.50	123.90@.70	123.80	22317	10925
24....	123.00@.30	123.50	121.90	123.00@122.85	122.95	15462	10656
27....	122.40@.50	124.20	121.80	123.95@124.20	124.05	10069	10780
28...	124.30@.50	125.10	122.25	122.40@.30	122.35	17985	10686
29....	122.35@.20	122.40	119.80	120.00@119.90	119.95	19153	11262
30....	120.00@.10	120.55	118.90	119.30@.40	119.35	18840	11819

S & P 500 STOCK INDEX FUTURES PRICES

DECEMBER 1982 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	119.25@.35	121.50	119.25	120.00@.30	120.15	15177	12548
4....	119.20@.00	120.75	118.55	120.75@.65	120.70	18976	13103
5....	120.55@.45	121.90	120.25	120.45@.60	120.55	17402	12780
6....	121.00@.15	*125.55*	121.00	125.55@.55B	125.55	18453	12448
7....	128.70@.50	*#130.55*	127.70	130.05@.25	130.15	27013	10675
8....	130.75@.25	#132.60	129.05	131.90@132.35	132.10	22558	10648
11....	134.50@.00	*#137.10*	133.50	135.90@.70	135.80	22804	11515
12....	135.50@.25	#137.15	132.70	133.90@134.15	134.05	26732	11268
13....	133.40@.60	#139.00	133.25	137.85@.45	137.65	25619	11790
14....	137.25@.00	137.70	134.65	134.85@135.05	134.95	19080	11416
15....	134.45@.35	135.75	133.60	135.20@.40	135.30	16647	11736
18....	134.90@135.10	139.00	134.90	138.80@.60	138.70	17767	11999
19....	139.30@.15	#139.70	135.10	137.55@.25	137.40	25602	11593
20....	137.00@136.80	#141.70	136.30	141.30@.60	141.45	25255	11843
21....	141.40@.55	#142.00	138.30	141.20@.00	141.10	24593	12430
22....	140.90@.70	#143.00	138.25	138.25@.60	138.45	25660	12057
25....	136.80@137.00	137.35	*133.45*	133.45@.45A	133.45	24146	12606
26....	134.25@.40	136.65	131.80	136.40@.15	136.25	35673	11991
27....	136.25@.05	137.06	134.60	135.30@.05	135.20	27437	10719
28....	136.30@.45	136.70	133.75	133.80@134.00	133.90	22202	10564
29....	134.60@.40	135.55	133.55	134.70@.40	134.55	17330	11022
IN NOVEMBER							
1....	135.00@.10	137.50	134.20	137.50@.40	137.45	20160	11170
2....	137.70@.90	140.90	137.50	138.70@139.00	138.85	26586	11271
3....	139.20@.30	*#143.85*	139.05	143.85B	143.85	27615	12819
4....	145.00@144.80	#146.30	142.45	143.80@144.30	144.05	32042	11918
5....	143.25@142.75	145.40	142.75	143.00@.40	143.20	23553	11621
8....	142.40@.55	142.80	141.20	142.10@.30	142.20	20299	11934
9....	142.40@.25	146.05	142.25	145.75@.85	145.80	25233	12225
10....	145.90@146.10	#146.80	141.00	141.75@.60	141.70	29645	12116
11....	140.50@.20	144.35	140.00	144.10@.25	144.15	27396	13398
12....	144.75@.50	144.75	140.60	140.70@.90	140.80	23179	11485
15....	138.80@139.25	139.50	136.75	136.75@137.05	136.90	22031	11486
16....	136.30@.05	138.90	135.35	136.80@.60	136.70	30340	12302
17....	138.00@.40	139.20	137.60	138.80@.60	138.70	23676	11980
18....	138.30@.45	139.80	138.05	139.30@.15	139.20	20469	11892
19....	139.70@140.10	140.10	136.00	136.40@.00	136.20	19180	11440
22....	136.65@.40	136.65	132.60	132.60@.80	132.70	23160	12071
23....	133.10@.30	134.80	131.40	132.40@.70	132.55	27151	12064
24....	133.60@.80	134.30	133.10	133.75@.90	133.80	15233	11927
26....	134.00@.10	135.45	134.00	135.10@134.85	134.95	10275	11686
29....	135.60@.40	135.65	131.85	133.80@.50	133.65	18355	11798
30....	134.00@.10	*138.65*	133.75	138.65@.65B	138.65	22789	12023
IN DECEMBER							
1....	139.90@.55	142.20	137.80	138.00@.15	138.10	35241	11564
2....	139.20@138.90	140.75	138.30	138.75@139.00	138.85	24110	10622
3....	139.60@.40	140.95	138.55	139.00@.35	139.15	18385	10324
6....	139.55@.70	144.10	137.80	143.50@.25	143.35	24381	9573
7....	142.60@143.00	145.70	141.85	143.85@.70	143.75	28732	9042
8....	143.30@142.90	144.85	141.20	141.40@.25	141.35	24612	8041
9....	140.65@.30	142.45	139.10	139.90@.50	139.70	23524	7786
10....	138.90@139.10	140.85	138.65	139.10@.40	139.25	15909	7215
13....	139.85@140.40	140.80	139.40	140.35@.50	140.50	4879	5829
14....	142.10@.40	142.50	136.00	136.25@.50	136.45	5137	4643
15....	136.90	137.20	134.75	135.70@.85	135.80	2516	4065
16....	136.00@.10	136.25	134.75	135.20@.15	135.30	2096	2929
17....	2837 Contracts Delivered					78	....

S & P 500 STOCK INDEX FUTURES PRICES

MARCH 1983 FUTURES CONTRACT IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
21	118.70	#120.50B	*118.70	120.50B	120.50	6	3
22	120.05	#121.30	120.05	121.20A	121.20	3	5
23	122.60@.65	#123.50B	122.60	123.50B	123.50	5	5
26	123.95	#125.00B	123.30A	125.00B	125.00	1	4
27	. . . .	. . . .	124.00A	124.00A	124.00	. . . .	4
28	. . . .	. . . .	123.10A	123.10A	123.10	. . . .	4
30	123.00@122.95	123.00	121.60A	121.60A	121.60	2	5
IN MAY							
3	121.40	121.40	121.25A	121.25A	121.25	1	5
4	. . . .	121.65B	. . . .	121.65B	121.65	. . . .	5
5	122.00	122.00	120.60A	121.25A	121.25	2	7
6	122.20	122.20	121.85A	122.00	122.00	4	10
7	122.70	122.70	122.50A	122.50A	122.50	1	10
10	. . . .	122.60B	121.50A	121.50A	121.50	. . . .	10
11	121.50	121.80B	121.40A	121.70B	121.70	6	12
12	. . . .	122.30B	121.50A	121.50A	121.50	. . . .	12
13	. . . .	. . . .	120.50A	120.50A	120.50	. . . .	12
14	. . . .	120.60B	. . . .	120.60B	120.60	. . . .	12
17	120.00	120.00	119.00A	119.05A	119.05	4	13
18	118.40	118.40	*117.50A	117.50A	117.50	. . . .	13
19	117.00	117.70B	*116.50A	116.50A	116.50	2	14
20	. . . .	117.10B	*116.20A	117.10B	117.10	. . . .	14
21	. . . .	117.60B	116.90A	116.90A	116.90	. . . .	14
24	116.40	117.10B	*115.90A	116.60B	116.60	40	51
25	117.00	117.10B	116.40A	116.40A	116.40	16	51
26	114.50	115.00B	*114.50	115.00B	115.00	1	52
27	113.40	113.90B	*113.30A	113.40	113.40	8	54
28	113.40	113.80B	*112.20A	112.70B	112.70	1	53
IN JUNE							
1	. . . .	. . . .	*111.00A	111.10A	111.10	21	73
2	111.20	112.60B	111.00A	112.60B	112.60	4	76
3	112.40	113.00B	*110.10A	111.50A	111.50	24	56
4	110.00	110.00	*108.60A	108.60A	108.60	4	59
7	109.00	110.00B	*108.00A	109.55B	109.55	7	59
8	109.50@.40	109.90B	108.60A	108.70A	108.70	10	64
9	108.50	108.90B	*107.70A	108.90B	108.90	3	67
10	109.55	110.60	109.30A	110.10B	110.10	30	71
11	112.10	*113.10*	111.80A	112.90B	112.90	7	75
14	110.30	110.90	*109.90A*	109.90A	109.90	12	75
15	109.20	110.80B	108.45A	110.80B	110.80	9	78
16	110.80	111.00B	109.00A	109.00A	109.00	4	80
17	106.90	107.60B	*106.30	106.40B	106.40	17	93
18	106.50	106.80B	*105.20A	105.30A	105.30	4	96
21	105.20	108.00	*105.20	106.95A	106.95	24	112
22	106.85	*109.95B*	106.80A	109.95B	109.95	5	115
23	110.00	112.80B	108.90A	112.35A	112.35	16	122
24	112.60	113.45	110.75A	110.80A	110.80	20	127
25	110.25	111.40	109.60A	111.10A	111.10	7	125
28	112.20	113.00B	110.50A	113.00B	113.00	3	123
29	113.30	113.30	111.90A	112.90A	112.90	5	124
30	114.00	114.35	112.00A	112.15A	112.15	8	123

S & P 500 STOCK INDEX FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	112.25	112.30B	110.65A	110.65A	110.65	7	125
2	110.35	110.35	109.10A	109.10A	109.10	19	135
6	109.60	110.35B	107.50A	110.35B	110.35	23	143
7	110.50	110.70B	108.90A	110.00A	110.00	4	146
8	108.90	111.90B	107.70A	111.70B	111.70	22	159
9	112.60	113.90B	111.50	113.70B	113.70	25	161
12	114.80	114.80	112.80A	113.25A	113.25	10	164
13	112.50	113.60B	112.20	112.85B	112.85	8	167
14	112.40	115.20	112.10A	114.90A	114.90	5	170
15	114.90	115.50	114.40	114.70A	114.70	21	177
16	115.10	116.10B	114.50A	115.25A	115.25	7	174
19	115.80	115.80	113.50A	113.60@.50A	113.55	21	170
20	114.30	115.75	113.40	115.35A	115.35	13	180
21	115.25	116.10B	114.30	114.30	114.30	16	178
22	114.70	115.75	114.20A	114.80B	114.80	8	172
23	114.80	115.25B	114.15A	114.30A	114.30	4	166
26	113.90	114.25B	112.70	112.70	112.70	5	167
27	112.90	113.50	111.85A	111.90A	111.90	12	167
28	112.00	112.10B	109.35A	109.35A	109.35	16	164
29	109.80	110.30	107.70A	109.60A	109.60	28	172
30	109.90	110.05B	108.20A	108.40A	108.40	7	173

IN AUGUST

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
2	109.90	111.35B	109.50A	111.35B	111.35	6	170
3	111.30	111.45	108.40	108.40	108.40	44	185
4	107.90	108.75B	106.10A	106.20A	106.20	13	185
5	105.60	106.60B	*105.15	106.30	106.30	245	308
6	105.75	106.35B	*103.00	103.30B	103.30	44	288
9	102.20	104.90B	*101.85	104.80@.90B	104.85	58	272
10	105.00	105.50	102.80A	102.95A	102.95	27	277
11	102.95	104.40B	102.75A	103.65A	103.65	12	269
12	104.50	105.00	103.30A	103.40A	103.40	18	267
13	104.00	105.70B	104.00	105.70B	105.70	10	271
16	107.80	107.90	104.10A	104.10A	104.10	15	273
17	105.30	*109.10*	105.00A	109.10B	109.10	19	269
18	111.25	113.00	109.05	109.60B@.80	109.70	71	282
19	110.50	111.40B	108.70	110.50	110.50	31	283
20	111.50	*115.50*	111.20	115.50B	115.50	34	279
23	114.00	118.50	114.00	118.00A	118.00	37	292
24	117.90	118.50B	116.10	116.25B	116.25	67	289
25	117.50	119.20	116.60A	118.25B	118.25	69	328
26	118.80	120.70	117.50	119.15B	119.15	73	326
27	118.50	118.50	116.50A	117.30	117.30	36	349
30	117.00	119.20	116.20	119.00A	119.00	26	337
31	119.50	121.00	118.70A	120.00@.10B	120.05	47	342

IN SEPTEMBER

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	120.10	120.70B	117.95	118.10A	118.10	28	337
2	118.30	123.00	117.80	122.20A	122.20	77	342
3	124.00	#126.50	123.00	124.20A	124.20	69	345
7	124.50	124.60	122.20	122.60A	122.60	112	377
8	122.10	126.00	122.10	123.85B	123.85	107	362
9	123.40	125.35	121.70	121.80A	121.80	45	359
10	121.40	121.50B	119.50	120.35	120.35	58	351
13	120.00	124.80	119.50	124.80	124.80	168	387
14	125.50	126.20	123.40	124.30A	124.30	304	454
15	124.50	125.50	123.20	124.75@125.00	124.90	272	525
16	124.90@.85	126.10	123.60	124.10	124.10	166	535
17	123.90	124.70	122.70	122.90@123.20	123.10	177	555
20	122.10	124.10	121.65	124.05	123.95	304	637
21	124.25	#127.30	123.80	126.90B@127.30	126.95	326	693
22	128.00	#128.20	122.60A	123.00@122.60A	122.80	576	764
23	123.55	124.75	122.00	124.45A@.40	124.40	300	794
24	123.60	123.80B	122.45	123.60A@.30	123.45	214	806
27	122.80@.75	124.70	122.15	124.55B@.70	124.60	229	763
28	124.90	125.60	122.90A	122.95	122.95	226	835
29	122.95	122.95	120.25	120.40@.55	120.45	488	897
30	120.45	121.00	119.40	119.70@.65	119.80	473	1012

S & P 500 STOCK INDEX FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	119.70	122.00	119.70	120.40@.50	120.50	342	953
4....	119.55	121.30	119.05	121.30@.25A	121.25	321	1019
5....	121.05	122.35	120.80	120.95@121.00	121.00	361	1017
6....	121.65@.70	*126.00*	121.60	126.00@.00B	126.00	634	1104
7....	129.50@.20A	*#131.00*	128.25	130.95@.70A	130.80	1398	1237
8....	131.60@.10	#133.20	129.60	133.20@132.60	132.80	1369	1297
11....	135.40@.20	*#137.80*	134.05	136.15@.60	136.40	772	1382
12....	136.25@.20	137.60	133.10	134.40@.60B	134.50	1183	1401
13....	133.70	*#139.50*	133.70	138.55@.10A	138.20	926	1355
14....	137.65	138.10B	135.20	135.55@.40	135.50	359	1343
15....	134.75@.65	136.30	134.25A	136.00@135.90	135.90	552	1272
18....	135.50@.70	139.50	135.50	139.30@.25	139.25	630	1399
19....	139.85@.80	#140.40	135.80	138.00@137.95	138.00	759	1448
20....	137.60	#142.30	136.95A	142.30@.10A	142.10	497	1405
21....	142.00@141.80	#142.45	138.85	141.65A@.80B	141.75	591	1351
22....	141.55	#143.50	139.10A	139.10A@.20	139.10	597	1346
25....	137.30	137.85	*134.10*	134.10A	134.10	573	1297
26....	134.80@.70	137.20	132.30	136.85@.80	136.80	996	1520
27....	136.95@137.00	138.05	135.30A	135.85@.60A	135.75	506	1516
28....	136.75@.85	137.20	134.20	134.20@.50B	134.40	401	1470
29....	135.00	136.10	134.15	135.40@.90A	135.10	486	1493
			IN NOVEMBER				
1....	135.65@.60	138.20	134.70	138.20@.05	138.05	684	1574
2....	138.45@.50	141.50	138.20A	139.35@.50B	139.45	1005	1710
3....	139.70@.85	*#144.45*	139.70	144.45B	144.45	1423	1984
4....	145.80	#147.05B	143.30	144.25@.80	144.80	1058	1963
5....	143.80@.70	146.05	143.45	144.00@143.90	143.95	782	2113
8....	143.00@.10	143.45	141.85	142.90@143.05	142.95	658	2188
9....	143.20	146.85	143.10A	146.70@.60	146.60	969	2295
10....	146.95@.85	#147.75	141.75	142.45@.30	142.40	1453	2465
11....	141.00	145.20	140.75	145.00@.10	145.00	1058	2518
12....	145.60	145.60	141.35	141.35@.70	141.55	1562	2599
15....	139.35@.30	140.15	137.60	137.60@.75	137.70	1070	2866
16....	137.05@136.90	139.70	136.05	137.60@.45A	137.50	1767	2997
17....	139.10@.25	140.00	138.40	139.45@.30	139.40	1177	2994
18....	139.05@138.95	140.45	138.85	140.10@.00	140.00	788	3030
19....	140.90@.95	140.95	137.10	137.20@.30	137.15	1480	3279
22....	137.60@.50	137.60	133.40	133.40	133.40	1582	3659
23....	133.75@.90	135.60	132.30	132.95@133.35B	133.30	1765	3889
24....	134.80@.60	135.25	134.00	134.85@.70	134.70	978	3943
26....	135.00	136.25	134.85A	136.00@135.70	135.75	915	3960
29....	136.35@.30	136.40	132.45	134.25@.50	134.35	1987	4225
30....	134.50@.55	*139.35*	134.30	139.35B	139.35	2767	4417
			IN DECEMBER				
1....	141.50@.00	143.25	138.55	138.70@139.10	138.90	6435	5080
2....	140.50@.30	141.70	139.30	139.80@140.00	139.85	3968	5399
3....	140.50@.35	141.90	139.35	139.85@140.20	140.00	4228	5540
6....	140.70@.60	*145.00*	138.60	144.75@.20	144.45	5548	5702
7....	144.15@.50	146.85	142.60	144.75@.50	144.60	7845	6304
8....	144.20@143.80	145.80	142.00	142.05@.20	142.10	7431	6777
9....	141.25@.00	143.10	139.90	140.35@.00	140.30	9990	7876
10....	139.70@.60	141.40	138.90	139.40@.70	139.55	9178	7991
13....	140.35@.60	141.70	139.75	141.10@.40	141.25	14235	9084
14....	143.25@.00	143.35	136.30	136.65@.40	136.55	26625	11164
15....	137.00@136.80	137.55	134.70	135.80@136.25	136.05	26192	11623
16....	136.15@.25	136.90	135.10	135.85@136.00	135.95	24699	11667
17....	136.40@.25	138.80	135.95	138.75@.40	138.55	16838	10090
20....	138.00@.20	138.80	136.65	136.75@.95	136.85	13763	9562
21....	137.25@.50	141.75	136.55	141.00@140.75	140.85	19249	10293
22....	140.90@141.15	141.45	139.00	139.85@140.00	139.95	20390	10521
23....	140.35@.25	141.30	140.15	140.95@.60	140.75	7379	10657
27....	141.50@.60	145.35	141.25	144.60@.80	144.70	13569	10773
28....	143.65@.55	144.25	141.80	142.30@.15	142.25	15853	10581
29....	142.50@.35	143.70	141.90	142.90@143.15	143.00	13186	10330
30....	143.00@142.95	143.70	140.90	141.25@.05	141.15	13223	10659
31....	141.60@.85	142.80	141.30	141.90@.70	141.80	5990	10863

S & P 500 STOCK INDEX FUTURES PRICES

JUNE 1983 FUTURES CONTRACT
IN JUNE 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
25....	110.90	#111.80B	*110.20A	111.25B	111.25	5	5
28....	....	#113.40B	111.00A	113.40B	113.40	....	5
29....	113.30	#113.70B	*112.80A	113.50B	113.50	1	6
30....	....	#114.80B	112.50A	112.70A	112.70	....	6

IN JULY

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	111.70	113.00B	111.20A	111.20A	111.20	1	7
2....	111.00	111.00	*109.10A	109.30A	109.30	3	8
6....	....	110.90B	*107.70A	110.90B	110.90	....	8
7....	....	....	109.40A	110.20A	110.20	....	8
8....	....	112.00B	108.00A	112.00B	112.00	....	8
9....	113.50	114.65	111.80A	114.00	114.00	8	13
12....	113.90	114.50B	113.10A	113.55A	113.55	1	13
13....	....	113.70B	112.50A	113.10A	113.10	....	13
14....	....	#115.10B	112.30A	115.10B	115.10	....	13
15....	114.50@.45	#115.40B	114.45	115.00B	115.00	2	12
16....	....	#116.30B	114.90A	115.80B	115.80	....	12
19....	116.15	116.15	114.05A	114.05A	115.05	2	14
20....	....	115.90B	113.80A	115.80B	115.80	....	14
21....	115.10	#116.50B	114.80A	114.80A	114.80	1	14
22....	116.30	116.30	114.70A	115.20A	115.20	1	15
23....	115.70	115.70	114.80A	115.20A	115.20	1	15
26....	....	....	113.30A	113.30A	113.30	....	15
27....	....	114.00B	112.40A	112.40A	112.40	....	15
28....	112.50	112.60B	109.75A	109.75A	109.75	1	15
29....	110.50	110.50	108.60A	110.30B	110.30	3	16
30....	109.80	109.80	108.80A	109.00A	109.00	2	17

IN AUGUST

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
2....	....	111.90B	....	111.90B	111.90	....	16
3....	110.45	110.45	109.10A	109.10A	109.10	10	26
4....	108.30	109.30B	*106.70A	106.70A	106.70	3	26
5....	106.15	106.65B	*105.70	106.65B	106.65	7	30
6....	106.20	106.20	*103.70A	103.70A	103.70	7	36
9....	....	105.35B	*102.50A	105.35B	105.35	....	36
10....	106.20	106.20	103.20A	103.30A	103.30	3	39
11....	....	104.80B	....	104.20B	104.20	1	40
12....	....	105.50B	103.80A	104.00A	104.00	....	40
13....	104.95	106.25B	104.95	106.25B	106.25	2	40
16....	108.20	108.60B	104.60A	104.60A	104.60	1	41
17....	108.20	*109.60B*	108.20	109.60B	109.60	2	41
18....	112.40	113.30B	110.10	110.30B	110.30	12	45
19....	110.40	111.90B	109.80A	111.05B	110.05	3	47
20....	112.70	*116.05B*	112.70	116.05B	116.05	5	41
23....	117.20	#119.00B	114.80A	118.60B	118.60	3	41
24....	....	119.00B	116.80A	116.85A	116.85	....	41
25....	119.40	#119.70	118.60A	118.85A	118.85	11	42
26....	120.70	#121.00B	118.20A	119.75A	119.75	1	42
27....	....	....	117.40A	117.90A	117.90	....	40
30....	....	119.70B	117.20A	119.60B	119.60	....	40
31....	120.50	#121.30B	119.40	120.65B	120.65	6	39

S & P 500 STOCK INDEX FUTURES PRICES

JUNE 1983 FUTURES CONTRACT
IN SEPTEMBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	119.20	121.30B	118.80A	118.80A	118.80	4	39
2	....	#123.60B	....	122.80B	122.80	....	39
3	124.50	#127.00B	124.50	124.90A	124.90	4	34
7	123.90	125.20B	123.20A	123.20A	123.20	1	34
8	126.20	126.60B	123.10A	124.45A	124.45	5	22
9	....	125.90B	122.50A	122.50A	122.50	....	22
10	....	....	120.60A	121.00A	121.00	....	22
13	....	125.40B	120.80A	125.40B	125.40	....	20
14	125.75	126.70B	124.40A	125.00A	125.00	4	21
15	125.40	126.30B	124.25	125.60B	125.60	19	39
16	125.50	126.50B	124.50A	124.90A	124.90	11	38
17	125.00@124.95	125.20B	123.20	124.00B	124.00	3	41
20	123.00	124.75B	122.70A	124.75B	124.75	1	39
21	124.80	#127.70B	124.80	127.70B	127.70	4	36
22	128.80	#128.80	123.60A	123.60A	123.60	3	36
23	124.60	125.00B	123.00A	125.00B	125.00	2	37
24	124.35	124.50B	123.60A	124.00A	124.00	....	37
27	....	125.20B	123.60A	125.20B	125.20	1	37
28	125.25	126.00B	123.50A	123.50A	123.50	7	40
29	122.80	123.55B	121.20A	121.30A	121.30	16	39
30	120.30	121.70B	120.30	120.30A	120.30	21	53
IN OCTOBER							
1	120.85	122.40B	120.85	121.20B	121.20	2	51
4	120.20	121.80B	119.90A	121.80B	121.80	15	58
5	122.00	122.80B	121.50A	121.50A	121.50	3	58
6	....	*126.50B*	....	126.50B	126.50	....	60
7	129.90	#*131.50*	129.90	131.50	131.50	2	61
8	132.30	#133.70	130.40A	133.60A	133.60	68	62
11	136.00	#138.40	135.00A	137.00B	137.10	18	72
12	136.60	138.20	134.15A	135.05A	135.05	12	60
13	134.50	#*140.05*	134.50	138.80A	138.80	3	54
14	138.00	138.60B	136.00A	136.00A	136.00	4	55
15	135.20	136.70B	135.20	136.40B	136.40	1	54
18	136.20	140.00	136.20	139.75A	139.75	5	55
19	139.25	#140.60B	136.50A	139.90	138.50	2	55
20	142.00	#142.80	137.70A	142.65B	142.65	4	54
21	142.65	#143.00B	139.80A	142.30A	142.30	12	57
22	142.00	#144.00B	139.70A	139.70A	139.70	14	54
25	138.50	138.50	*134.70*	134.70A	134.70	12	52
26	135.10	137.60B	133.20A	137.25B	137.25	5	43
27	137.25	138.50B	136.20A	136.30A	136.30	2	43
28	....	137.60B	134.95A	134.95A	134.95	....	43
29	....	136.60B	....	135.65B	135.65	2	43
IN NOVEMBER							
1	137.80	138.60B	137.00A	138.60B	138.60	1	44
2	139.25	141.90	139.25	140.00A	140.00	11	48
3	142.00	#*145.00B*	142.00	145.00B	145.00	24	58
4	146.25	#147.50B	144.10	145.45B	145.45	11	61
5	144.20	146.50B	144.20	144.40@.65B	144.65	18	63
8	143.60	144.00B	142.80A	143.60B	143.60	4	63
9	144.90	147.40	144.80A	147.30A	147.30	7	65
10	147.60	#148.20B	*142.30*	142.95A	142.95	40	80
11	141.70	145.60B	141.60A	145.60B	145.60	11	76
12	146.40	146.40	142.10	142.15B	142.15	14	84
15	140.00	140.30B	138.30A	138.30A	138.30	3	84
16	137.50	140.60	136.90A	138.10A	138.10	13	79
17	140.00	140.40B	139.20A	140.30@.00A	140.05	6	83
18	139.75	141.00B	139.60A	140.55B	140.55	1	81
19	141.50	141.50	137.70A	137.80	137.80	10	81
22	137.70	137.70	134.20	134.20	134.20	43	103
23	134.80	136.10B	133.10A	134.00B	134.00	30	111
24	134.80	135.80B	134.70	135.40A	135.40	9	109
26	136.50	136.70B	135.80	136.45B	136.45	17	114
29	136.80	136.90B	133.10	135.00A@134.75	134.90	25	126
30	136.00	*139.90B*	136.00	139.90B	139.90	16	121

S & P 500 STOCK INDEX FUTURES PRICES

JUNE 1983 FUTURES CONTRACT IN DECEMBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	141.40	144.20	139.50	139.70B	139.70	76	120
2....	140.70	142.30B	140.20A	140.70B	140.70	34	124
3....	141.90	142.50B	140.30A	140.80A	140.80	11	126
6....	141.70	*145.80*	139.60	145.20A	145.20	50	130
7....	145.30	147.50	143.70A	145.35B	145.35	158	179
8....	145.50	146.50	142.60	142.70B	142.70	60	179
9....	141.50	143.70B	140.70	140.95B	140.95	121	209
10....	140.60	142.10	139.60	140.10A	140.10	92	210
13....	140.60	142.10	140.60	142.00B	142.00	58	204
14....	144.25	144.25	*136.85*	137.05B	137.05	249	253
15....	137.20	138.10B	135.00	136.55@.70	136.65	313	282
16....	136.80	137.50	135.60	136.40@.60B	136.55	165	313
17....	136.85	139.25	136.70	139.00B@.30	139.15	123	331
20....	138.95	139.40B	137.40A	137.55A@.40A	137.50	75	345
21....	137.80	*142.50*	137.25A	141.90@.55	141.65	147	408
22....	141.95	142.20	139.80A	140.70A@.55	140.65	251	410
23....	141.00	142.05	140.90	141.65A@.35	141.50	68	414
27....	142.60	146.25	142.15	145.40@.50B	145.50	272	463
28....	144.50	145.00	142.70A	142.95A@.85	142.90	113	431
29....	143.10	144.40	142.60A	143.90@.80A	143.85	126	457
30....	143.95	144.55	141.80	141.80@.90B	141.85	379	676
31....	142.50	143.55	142.15A	142.55@.40A	142.45	77	693

SEPTEMBER 1983 FUTURES CONTRACT IN SEPTEMBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
20....	123.50	#125.30B	*123.20A	125.30B	125.30	1	1
21....	125.40	#128.00B	125.40	128.00B	128.00	1	....
22....	....	#128.90B	124.00A	124.00A	124.00	2	1
23....	126.00	126.00	123.60A	125.30A	125.30	2	1
24....	125.50	125.50	124.20A	124.50A	124.50	....	1
27....	....	125.60B	124.00A	125.60B	125.60	....	1
28....	126.50	126.60	124.00A	124.00A	124.00	7	8
29....	122.60	124.05B	*122.00A	122.20	122.20	18	19
30....	....	....	*120.70A	120.70A	120.70	....	17

IN OCTOBER

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1....	....	122.90B	....	121.80B	121.80	12	29
4....	121.00	122.35B	120.70A	122.35B	122.35	11	34
5....	....	123.30B	122.10A	122.10A	122.10	....	34
6....	....	*127.10B*	....	127.10B	127.10	....	34
7....	131.00	*#132.10B*	129.90A	132.10B	132.10	3	37
8....	132.00	#134.80	131.20A	134.50A	134.50	5	37
11....	136.60	#139.00B	135.80	137.80B	137.90	7	39
12....	137.30	138.80B	135.00A	135.70A	135.70	3	39
13....	....	140.60B	135.20A	139.45B	139.45	1	38
14....	139.00	139.00	136.50A	136.50A	136.50	6	39
15....	....	137.20B	136.00A	136.90B	136.90	....	39
18....	139.50@.40	140.50	139.40	140.25A	140.25	2	39
19....	141.00	#141.05	137.00A	139.00	139.00	56	63
20....	141.00	#143.20B	138.40A	143.20B	143.20	2	61
21....	142.50	#143.50B	140.30A	142.85B	142.85	2	61
22....	144.50	#144.60B	140.25A	140.25A	140.25	16	65
25....	....	....	*135.25A*	135.25A	135.25	....	65
26....	135.50	138.00B	133.80A	137.90B	137.90	3	66
27....	137.50	139.00B	136.85A	136.85A	136.85	2	66
28....	....	138.10B	135.50A	135.50A	135.50	1	67
29....	....	137.10B	....	136.20B	136.20	....	67

S & P 500 STOCK INDEX FUTURES PRICES

SEPTEMBER 1983 FUTURES CONTRACT
IN NOVEMBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	. . . .	139.15B	. . . .	139.15B	139.15	. . . .	66
2	. . . .	142.50B	. . . .	140.95B	140.55	. . . .	66
3	. . . .	*#145.55B*	. . . .	145.55B	145.55	. . . .	66
4	. . . .	#148.00B	145.00A	146.10B	146.10	. . . .	66
5	145.30	147.10B	144.60A	145.30@.35B	145.35	1	67
8	. . . .	. . . .	143.50A	144.30A	144.30	. . . .	67
9	147.50	147.95B	146.90A	147.95B	147.95	2	67
10	144.90	#148.70B	143.30A	143.50A	143.50	1	58
11	. . . .	146.20B	142.30A	146.20B	146.20	. . . .	56
12	143.10	146.50B	142.70A	142.75A	142.75	2	56
15	140.20	140.80B	139.15A	139.15A	139.15	3	57
16	. . . .	141.00B	137.80A	138.70A	138.70	. . . .	56
17	140.80	140.90B	139.90A	140.65A	140.65	2	56
18	140.40	141.50B	140.20A	141.10B	141.10	1	57
19	. . . .	142.00B	138.35A	138.35A	138.35	. . . .	57
22	. . . .	. . . .	134.80A	134.80A	134.80	. . . .	40
23	. . . .	136.60B	133.70A	134.60A	134.60	. . . .	40
24	135.50	136.30B	134.50A	136.00B	136.00	1	40
26	. . . .	137.20B	. . . .	137.05B	137.05	. . . .	40
29	137.40	137.50B	133.90A	135.50A	135.50	2	40
30	135.90	*140.50B*	135.90	140.50B	140.50	1	40

IN DECEMBER

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
1	142.90	144.50	140.00A	140.30A	140.30	9	47
2	. . . .	142.80B	. . . .	141.30B	141.30	. . . .	47
3	142.00	143.00B	141.00	141.40B	141.40	5	50
6	. . . .	*146.40B*	140.10A	145.90B	145.90	. . . .	50
7	146.00	147.60B	144.40	146.00A	146.00	10	46
8	145.50	146.90B	143.25A	143.25A	143.25	17	53
9	142.75	144.20B	141.30	141.50B	141.50	9	50
10	141.00	142.40B	140.30A	140.60A	140.60	47	86
13	141.85	142.60B	141.70A	142.60B	142.45	69	136
14	144.00	144.60B	138.30A	138.30A	137.55	36	131
15	136.80	138.50B	136.00A	137.25B	137.25	2	129
16	137.75	138.00B	136.60A	137.20A	137.20	31	128
17	137.50	139.65B	137.50	139.65B	139.65	1	128
20	. . . .	139.85B	138.00A	138.00A	138.00	. . . .	128
21	. . . .	*143.00B*	137.90A	142.15B	142.15	. . . .	127
22	142.00	142.50B	140.75A	141.40A	141.40	44	119
23	142.50	142.50	142.10A	142.10A	142.10	4	119
27	. . . .	146.70B	. . . .	146.10B	146.10	. . . .	119
28	. . . .	. . . .	143.00A	143.50A	143.50	. . . .	119
29	. . . .	145.00B	. . . .	144.40B	144.40	. . . .	119
30	144.30	144.80B	142.50A	142.50A	142.50	5	116
31	. . . .	144.00B	. . . .	143.00B	143.00	. . . .	116

DECEMBER 1983 FUTURES CONTRACT
IN DECEMBER 1982

Date	Open Range	High	Low	Closing Range	Sett Price	Volume (Trades Cleared)	Open Interest
17	138.00	#140.20B	•138.00	140.20B	140.20	. . . .	. . . .
20	. . . .	#140.30B	138.50A	138.50A	138.50	1	1
21	. . . .	*#143.50B*	. . . .	142.65B	142.65	. . . .	1
22	. . . .	143.00B	141.30A	142.00A	142.00	. . . .	1
23	143.00	143.00	142.70A	142.70A	142.70	2	3
27	143.75	#147.20B	143.75	146.60B	146.60	5	8
28	. . . .	. . . .	143.70A	144.00A	144.00	. . . .	8
29	144.50	145.50B	144.00A	145.00B	145.00	. . . .	8
30	. . . .	145.25B	143.00A	143.00A	143.00	2	9
31	144.00	144.50B	143.50A	143.50A	143.50	. . . .	9

RANDOM LENGTH LUMBER FUTURES PRICES

Daily price range, volume and open interest on the Index and Option Market
(In Dollars and Cents per Thousand Board Feet)

JANUARY 1982 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Deliveries	Open Interest
4	146.50	147.30	145.70	146.40@.70	146.60	279	....	1352
5	144.00	146.00	143.30	144.50@143.60	144.10	416	....	1195
6	145.70	146.60	144.40	145.30@144.80	145.00	325	....	1136
7	146.50	147.00	142.90	147.00@146.50A	146.70	321	....	973
8	147.20	147.40	145.50	146.70	146.70	178	....	908
11	144.00	145.40	142.60	145.00	145.00	274	....	734
12	145.00	147.00	143.60	146.80@147.00	146.90	430	....	481
13	146.70	147.40	146.00	147.00	147.00	179	....	359
14	145.30	*152.00*	145.30	150.90	150.90	203	....	216
15	151.70	151.70	*145.90*	145.90A	145.90	18	....	53
18	....	....	....	....	....	....	31	22
19	....	....	....	....	....	....	7	15
20	....	....	....	....	....	....	1	14
21	....	....	....	....	....	....	7	7
22	....	....	....	....	....	....	....	7
25	....	....	....	....	....	....	3	4
26	....	....	....	....	....	....	1	3
27	....	....	....	....	....	....	....	3
28	....	....	....	....	....	....	3	....

MARCH 1982 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	158.50	159.60	*157.70*	157.80@.70	157.80	1265	3480
5	156.00	156.00	153.10	153.50@154.00	153.80	1743	3307
6	155.50	156.60	153.70	154.50@.60	154.50	1448	3360
7	155.30	156.00	151.70	156.00@155.70	155.80	1728	3336
8	156.50	157.00	154.20	154.50@.80	154.70	1220	3396
11	151.00	153.50	150.50	153.30@.00	153.20	1626	3636
12	153.50	*158.20*	151.00	157.90@158.20B	158.00	1935	3764
13	159.50	159.50	155.20	156.00@155.60	155.80	1332	3945
14	155.50	160.00	155.10	158.60@.50	158.50	1518	3995
15	158.50	158.50	154.50	154.50@.80	154.70	1573	3916
18	154.70	155.80	152.50	154.30@153.70	154.00	1467	4050
19	154.00	156.30	152.90	154.00@153.10	153.60	933	3931
20	152.50	154.40	152.10	153.30@.10	152.20	1129	3804
21	152.80	154.40	150.20	150.30@.20	150.00	1469	3823
22	149.00	149.60	*'145.30*	145.50@.30	145.40	1975	3885
25	143.00	144.40	'141.10	143.60@.80	143.70	1068	3673
26	145.30	147.80	145.00	145.90@146.00	145.90	1249	3616
27	146.00	146.90	143.00	143.50@.00	143.30	1199	3550
28	145.00	145.80	143.00	144.90@145.30	145.10	1150	3481
29	149.50	149.80	147.30	148.60@149.00	148.80	1607	3253
IN FEBRUARY							
1	144.30	144.30	*143.80*	143.80A	143.80	433	3231
2	143.50	143.70	'140.60	141.70 @.40	141.60	1209	3273
3	141.20	142.00	'140.10	140.70@.30	140.50	736	3298
4	142.00	144.40	141.40	143.90@144.40	144.10	1136	3138
5	144.00	144.90	142.60	144.50@.00	144.20	743	3066
8	140.50	141.00	*'139.20*	140.20 @.00A	140.10	997	2865
9	139.00	141.40	'138.90	140.00@.20	140.10	674	2771
10	141.60	142.20	140.60	141.20@140.60	140.90	567	2729
11	141.50	141.50	139.60	140.30@.20	140.30	460	2676
12	141.20	*145.30*	141.20	141.70@142.00	141.80	1366	2533
16	138.00	142.90	'138.00	142.60@141.80	142.20	1522	2549
17	143.50	145.50	141.70	144.80@.90	144.80	1066	2391
18	145.50	146.30	142.80	143.50@142.80	143.20	1020	2353
19	141.50	142.10	139.80	140.00@139.80	139.90	1208	2255
22	142.20	142.80	140.60	141.60@.90	141.70	810	2063
23	140.90	142.30	138.70	139.30@.10	139.20	847	2042
24	138.00	138.70	'136.80	138.30@.50	138.40	882	1889
25	138.00	139.30	136.80	137.00@136.80	136.90	435	1807
26	136.10	136.20	'133.60	133.70@.60	133.70	484	1690

B—Bid; A—Ask; N—Nominal;
Italic figures indicate limit high or low price; #New Contract High; 'New Contract Low
Note: Volume or Open Interest may be affected by cash-for-futures, spreads, and previous days' trades cleared today. Open Interest may also be affected by adjustments and deliveries. Exchange holidays and days on which no sales, bids or offers occurred are omitted.

RANDOM LENGTH LUMBER FUTURES PRICES

MARCH 1982 FUTURES CONTRACT IN MARCH 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Deliveries	Open Interest
1	134.70	135.60	132.10	132.20@10	132.20	426	....	1514
2	132.20	132.50	130.60	131.50	131.50	604	....	1220
3	130.80	133.50	130.80	132.80@133.40	133.10	385	....	1195
4	133.70	137.40	133.60	135.60	135.60	713	....	915
5	135.20	135.30	134.20	134.40	134.40	345	....	779
8	136.50	136.70	134.50	134.80@135.00	134.90	313	....	625
9	134.90	136.40	133.00	133.90	133.90	188	....	492
10	135.50	136.80	134.30	135.90@136.00	135.90	201	....	387
11	136.90	139.20	134.80A	136.80	136.80	250	....	253
12	135.50	139.30	134.50	135.70@136.30	136.00	189	....	103
15	139.50	139.50	136.10	139.00	139.00	111	....	....

MAY 1982 FUTURES CONTRACT IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	164.50	165.50	_164.10_	164.10A	164.10	339	1835
5	161.50	161.80	159.50	159.80@.60	159.70	645	1961
6	162.50	163.50	160.20	161.10@.60	161.30	435	2020
7	161.30	161.70	158.70	161.50@160.80	161.20	531	2071
8	162.50	162.80	159.80	161.40@.30	161.30	375	2067
11	157.00	159.00	*156.60	158.10	158.10	644	2159
12	158.50	162.50	156.70	162.50@.00	162.20	813	2148
13	163.50	163.50	161.20	162.20@.00	162.10	642	2199
14	162.00	166.50	161.80	164.10@.50	164.30	787	2309
15	164.70	164.70	160.60	162.00@161.80	161.90	15	216
18	161.90	162.70	160.20	160.70@161.00	160.90	701	2438
19	161.50	162.50	159.70	160.50A@.00	160.30	408	2514
20	159.50	160.80	158.30	158.40@.50	158.50	621	2654
21	157.00	160.00	156.60	156.70@157.10	156.90	948	2816
22	155.50	155.50	*152.00	152.00@.10	152.10	1179	2928
25	149.00	149.80	*147.60	149.30@.10	149.20	862	2960
26	150.50	153.00	150.50	152.00@151.60	151.80	957	3118
27	152.00	153.00	148.60	148.80@149.20	149.00	1041	3155
28	150.00	151.40	148.10	150.50@.00	150.20	1023	3343
29	154.50	154.60	152.30	154.30@153.70	154.00	1084	3280
IN FEBRUARY							
1	149.20	149.30	_149.00_	149.00A	149.00	282	3348
2	148.30	148.50	*146.00	146.20@.50	146.40	984	3439
3	146.00	147.20	*145.20	146.50@.20	146.40	774	3505
4	147.00	150.50	147.00	150.00@149.70	149.80	1082	3480
5	149.50	151.80	148.30	150.30@149.50	149.90	635	3520
8	147.30	147.50	*_144.90_	145.20@.00	145.10	1059	3592
9	144.30	146.40	*144.00	145.50@.30	145.40	773	3708
10	147.50	147.70	146.40	147.70@.30	147.50	528	3766
11	148.00	148.00	145.70	147.00@.40	147.20	589	3789
12	147.50	151.50	147.50	148.40@.20	148.30	1339	3829
16	146.50	149.10	144.70	148.60@.30	148.40	1323	3790
17	151.00	152.50	148.80	151.50@.40	151.40	1725	3946
18	152.20	153.10	149.60	149.60@150.00	149.80	1272	4028
19	149.50	150.20	147.50	147.50@.60	147.60	1238	4060
22	151.50	_152.60_	150.70	152.30@.20	152.20	1339	4081
23	151.20	152.40	148.10	148.10@.40	148.30	1774	3983
24	146.00	147.70	145.30	146.00@.30	146.20	2203	3999
25	145.80	147.70	145.70	146.60@.80	146.70	898	3992
26	145.70	145.90	*142.70	143.00@142.70	142.90	1888	3898

RANDOM LENGTH LUMBER FUTURES PRICES

MAY 1982 FUTURES CONTRACT
IN MARCH 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	144.10	145.70	*142.40	142.90@.80	142.90	1152	3984
2	143.00	144.40	*142.20	142.20@.50	142.40	1366	3902
3	142.20	143.50	*142.00	143.00@142.60	142.80	989	3908
4	143.80	145.50	143.10	143.40@.10	143.20	1470	4010
5	142.70	142.80	*139.60	140.20@.40	140.30	1495	4079
8	141.20	141.60	*137.50	138.50@.80	138.70	1180	4092
9	138.70	140.90	138.10	140.80@.70	140.70	865	4023
10	142.00	144.00	141.10	143.90@144.00	143.90	1351	3961
11	143.40	145.00	141.00	141.00@.40	141.20	1365	4067
12	141.00	142.70	139.30	140.50@141.00	140.80	1217	3993
15	140.20	141.80	139.20	140.00@.20B	140.10	1061	3836
16	140.70	143.50	140.70	143.20@.40	143.30	1010	3814
17	147.00	147.80	145.60	147.80@.50	147.60	2080	3522
18	149.00	149.00	146.60	147.30@146.70	147.00	1229	3419
19	148.50	148.80	147.50	148.20@.00	148.10	655	3263
22	150.00	150.70	149.50	150.40@.70	150.50	1044	3281
23	151.00	151.90	148.70	149.00@.20	149.10	1059	3264
24	148.70	149.60	148.20	148.90@149.10	149.00	638	3294
25	148.50	149.20	145.10	145.50@.10	145.30	1082	3213
26	144.50	144.70	141.80	141.80@142.30	142.10	1517	3001
29	140.50	142.10	140.20	141.80	141.80	896	2895
30	142.70	143.40	141.20	143.00@142.70	142.80	742	2995
31	142.80	143.00	141.60	142.50A@.30	142.40	466	2998

IN APRIL

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	143.50@.40	144.40	142.10	143.00@142.60	142.80	739	3048
2	141.90	143.30	141.80	142.80@143.30	143.00	375	3091
5	143.00	145.20	142.50	142.50	142.50	789	3043
6	142.70	143.00	138.00	138.00@.50	138.30	1491	2926
7	137.90@138.00	138.20	*136.90	137.50@.80	137.70	651	2983
8	137.00	139.80	137.00	139.00@.20	139.10	634	2895
12	139.50	141.20	138.00	140.50@.00	140.20	648	2970
13	139.80@.70	141.40	138.80	138.80@139.00	138.90	625	3000
14	137.50	138.80	*136.00	138.00	138.00	1011	2944
15	138.00@.40	138.90	137.00	137.50@.30	137.40	592	2840
16	137.30@.40	137.40	*135.10	136.50@137.00	136.80	648	2845
19	136.30@.00	138.00	*134.20	134.30@.20	134.30	721	2887
20	134.50@.70	135.00	*132.00	132.10@.00	132.10	621	2857
21	134.00	134.00	*130.50	130.50@.80	130.70	716	2723
22	130.50	131.00	*129.00	129.30@.70	129.50	644	2647
23	130.00	130.50	*126.20	126.30@.20	126.30	1168	2485
26	125.50	127.50	*124.10	127.00@126.60	126.80	688	2353
27	127.50	128.00	*123.30	123.30@.50	123.40	676	2213
28	122.80	123.70	*120.60	120.80@.70	120.80	627	2021
29	121.50@.20	_125.80_	121.00	125.80B	125.80	788	1872
30	127.00	128.40	123.90	126.70@127.00	126.80	590	1710

IN MAY

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Deliveries	Open Interest
3	125.50	126.30	124.20	124.70@.30	124.50	189	....	1671
4	124.00@123.90	124.50	121.80	124.20@.40B	124.30	446	....	1506
5	124.90	125.30	122.10	123.00@122.50	122.80	254	....	1472
6	124.00	126.20	123.50	124.10@.00	124.00	375	....	1438
7	125.90	127.50	124.80	127.50@.00	127.20	279	....	1363
10	125.70	125.70	124.00	124.10	124.10	142	....	1271
11	123.70	125.50	123.60	125.50	125.50	174	....	1138
12	125.50	126.40	_*120.50_	120.50A	120.50	556	....	813
13	117.00	118.00	_*115.50_	117.60	117.60	439	....	448
14	116.00	_122.60_	116.00	122.60B	122.60	272	....	217
17	....	....	....	....	....	11	22	195
18	....	....	....	....	....	6	61	134
19	....	....	....	....	....	1	19	109
20	....	....	....	....	....	....	56	53
24	....	....	....	....	....	....	4	49
25	....	....	....	....	....	....	11	38
26	....	....	....	....	....	....	4	34
27	....	....	....	....	....	....	15	19
28	....	....	....	....	....	....	19	....

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1982 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	176.00	176.00	*173.70*	174.50B	174.50	90	667
5	172.70	172.70	170.20	170.50B	170.50	113	673
6	173.50	173.80B	171.10	171.50@.80B0	171.60	43	684
7	171.10	172.00	168.70	171.70B@172.00	171.80	147	721
8	171.90	173.60B	171.50	171.80@172.50B	172.10	63	714
11	170.50	170.50	168.00	169.10	169.10	124	764
12	168.80	172.40	168.00	172.40	172.40	162	791
13	172.80	173.00	171.50	172.00A@171.50	171.80	86	802
14	171.50	175.20	171.50	173.20@.90B	173.50	155	806
15	173.50	173.50	170.40	171.50@172.00B	171.80	129	840
18	172.20	172.40B	170.20	171.00B	171.00	72	857
19	171.50	172.20	169.70	170.90@.10A	170.50	74	879
20	169.70	170.30B	168.50	168.70@.50	168.60	119	855
21	168.00	169.80	*166.80	167.20	167.20	182	943
22	166.10	166.30	*162.30	162.30	162.30	372	935
25	159.00	160.40B	*158.20	159.80A@.00	159.40	206	975
26	161.40	163.70	160.20	161.40B	161.40	198	927
27	162.00	162.50	158.70	158.80@.70	158.80	124	944
28	160.00	161.00	158.60	160.30@.70	160.50	151	939
29	163.30	165.40	162.50	163.80@164.40	164.10	186	938
				IN FEBRUARY			
1	160.00	160.00	*159.10*	159.10A	159.10	92	939
2	159.20	159.20	*156.50	157.20	157.20	268	985
3	156.80	158.00	*155.10	157.40	157.40	103	989
4	158.90	161.00	158.30	160.50	160.50	147	996
5	160.00	162.60	159.50	162.00@160.80	161.40	67	999
8	158.00	158.00	156.50	156.50	156.50	198	1048
9	156.20	157.60B	*155.90	156.90A@.50	156.70	133	1050
10	158.20	158.70	157.70	158.30@.50	158.40	84	1050
11	158.80	159.40	157.10	158.00@.40	158.20	115	1063
12	158.80	161.50	158.70	159.70A@.50	159.60	216	1036
16	157.00	159.90	*155.70	159.70@.40	159.60	258	1108
17	161.20	163.20	160.50	162.50	162.50	294	1146
18	163.50	164.20	161.50	161.50	161.50	313	1210
19	161.00	161.90	160.00	160.40@161.00	160.70	190	1235
22	164.20	164.40	163.20	164.40	164.40	357	1235
23	163.50	164.00	160.50	160.60	160.60	212	1268
24	161.00	161.00	156.00	157.30A@.00	157.20	708	1297
25	156.80	159.30	156.80	158.00@.50	158.20	156	1277
26	157.30	157.50	*154.30	154.60@.30	154.50	315	1289
				IN MARCH			
1	155.80	157.50B	154.50	154.50@155.00	154.70	295	1319
2	154.90	156.60	154.50	155.50@156.00	155.70	299	1387
3	154.80	156.00	*154.10	155.10	155.10	271	1361
4	156.00	156.80	154.50	154.50	154.50	286	1315
5	154.20	154.20	*150.50	150.70@151.00	150.90	415	1297
8	151.70	152.40	*147.60	148.80	148.80	402	1415
9	148.70	150.90	148.30	150.80@.90	150.80	360	1490
10	152.00	154.30	151.40	154.30	154.30	279	1480
11	153.80	154.70	151.00	151.00	151.00	586	1540
12	150.50	152.50	149.00	150.70@.20	150.50	516	1505
15	150.30	151.90	149.20	151.00B@.90	151.40	262	1553
16	152.50	156.00	152.40	154.30@.00	154.10	814	1625
17	156.00	158.10	155.50	158.10@157.80	157.90	595	1537
18	157.00	158.00	156.40	156.80@157.20	157.00	516	1590
19	157.70	158.80	157.00	157.70@.50	157.60	414	1597
22	158.70	160.00	158.50	159.70@160.00	159.80	340	1635
23	160.50	160.80	157.50	158.50@.10	158.30	641	1627
24	158.00	158.80	157.40	158.60@.50	158.50	356	1627
25	158.00	159.40	156.30	156.70@.30	156.50	575	1746
26	155.00	155.20	151.60	151.70@.60	151.70	981	1766
29	150.70	152.50	149.80	152.00@151.60	151.80	565	1901
30	153.00	153.50	151.40	152.70@153.00	152.80	697	1895
31	152.50	152.80	151.50	152.50@.30	152.40	371	1884

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1982 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	152.70@153.00	154.50	152.50	152.90@153.00B	152.90	280	1871
2	152.10@.00	153.60	152.00	153.20@.40	153.30	214	1907
5	153.70	156.20	153.50	153.60@.90	153.70	634	1933
6	153.70	153.90	149.70	149.70@150.00	149.90	815	2077
7	149.30@148.80	149.50	147.90	148.80@149.00	148.90	984	2316
8	148.90@.70	151.40	148.70	150.80@151.20	151.00	492	2364
12	152.60@153.30	153.30	150.10	152.70@.50	152.60	734	2380
13	153.00@.30	154.50	151.30	151.50@.30	151.40	839	2424
14	149.80	151.20	148.60	150.70@151.00	150.90	1023	2503
15	150.50	151.40	149.80	150.00@149.80	149.90	434	2520
16	149.90	149.90	*146.50	147.00@.50	147.30	1243	2712
19	147.50@.30	150.60	*145.50	145.50@146.00	145.80	1345	2881
20	145.00	146.00	*143.10	143.10@.40	143.30	1155	2842
21	144.50	144.90	*141.10	141.50@.40	141.50	1358	2813
22	141.50@.40	141.90	*140.00	140.70@141.00	140.90	890	2821
23	142.50@.80	143.20	*139.10	139.40@140.00	139.70	1501	2939
26	139.50@.20	142.00	*137.60	142.00@141.50	141.70	1562	3121
27	142.20@.00	142.20	138.10	138.10@.40	138.30	1392	3186
28	136.30@.00	136.90	*134.40	134.60@.40	134.50	1695	3424
29	134.50@.40	*139.50*	*133.60	139.50@.50B	139.50	1847	3452
30	139.80	141.40	136.80	139.60@.50	139.50	1827	3322
				IN MAY			
3	138.80@.60	138.80	136.30	136.50@.30	136.40	736	3273
4	135.80@.60	137.70	*133.50	137.50@.70	137.60	1440	3426
5	138.00@.20	139.20	136.40	136.60@.80	136.70	943	3477
6	138.00@.40	139.80	137.30	138.80@139.00	138.90	1140	3586
7	141.00@.50	143.30	139.90	143.30@142.80	143.00	1907	3776
10	141.70	142.00	139.80	140.30@139.90	140.10	1226	3520
11	139.90@.80	142.30	139.10	140.80@141.00	140.90	1375	3545
12	141.70@.60	141.90	*135.90*	135.90@.90A	135.90	2157	3682
13	133.50@.70	136.50	*132.30	135.80@136.00	135.90	2187	3613
14	136.00@135.90	139.20	135.70	137.80@.50	137.60	1647	3620
17	137.20	138.50	134.50	135.70@.80	135.80	970	3534
18	136.50@.70	138.40	135.70	135.90@136.20	136.00	943	3507
19	136.00	140.30	135.40	140.30@.00	140.10	1403	3444
20	140.00@.10	141.70	139.60	140.30@.00	140.10	1598	3488
21	141.50@.90	141.90	138.60	140.50B@141.30	140.90	1132	3474
24	142.50@.00	142.50	139.20	140.50	140.50	805	3359
25	140.20@.00	142.50	140.00	142.00@.50	142.20	893	3281
26	144.50@.00	146.20	143.30	146.00@.20	146.10	2142	3251
27	145.00@144.50	146.40	144.20	145.40A@144.80	145.10	1043	3174
28	144.50@.40	145.50	142.60	142.90@.60	142.80	993	3214
				IN JUNE			
1	139.50@.00	139.90	*137.80*	137.80A	137.80	1604	2883
2	135.00@134.80	137.30	134.70	135.00@134.70	134.90	1566	2810
3	134.60@.70	135.70	*130.90	130.90@131.20	131.10	1652	2605
4	131.10@.40	133.00	*129.00	131.00@132.00	131.50	1192	2629
7	130.50	134.70	130.50	133.30	133.30	889	2459
8	133.00@.10	135.30	132.50	133.50@134.00	133.70	747	2431
9	135.40@.00	138.20	135.00	138.00@137.50	137.70	1144	2491
10	139.50@140.00	141.00	138.40	138.80@139.50	139.10	1418	2616
11	143.50@.00	143.50	141.30	143.30@142.30	142.80	1506	2427
14	140.00	140.10	*137.80*	137.80@.80A	137.80	1076	2417
15	136.80	139.40	136.10	136.40A@.10	136.30	1012	2364
16	137.50@.90	138.40	136.30	136.80@137.50	137.10	671	2447
17	141.50@142.00	142.00	136.50	139.60@.50	139.50	1541	2195
18	140.50@.80	140.80	138.30	139.70@.90	139.80	755	2112
21	139.50@.00	140.80	134.80	139.00@.50	139.30	1865	2100
22	138.50@.30	140.50	137.50	138.50@.10	138.30	493	1917
23	138.30	138.90	136.40	137.50@.80	137.70	360	1728
24	139.00	140.00	137.40	137.40@.80B	137.60	340	1663
25	136.70@.50	137.00	135.30	135.50@136.10	135.80	367	1508
28	136.00	137.20	134.50	137.00@.20	137.10	337	1444
29	137.40	138.40	135.70	137.20@.00	137.10	270	1355
30	138.50@.60	138.60	136.70	136.90@137.50	137.20	279	1221

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1982 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Deliveries	Open Interest
1	137.40	138.10	136.20	138.10	138.10	201	....	1129
2	137.30	138.50	137.20	137.80@138.20	138.00	134	....	1106
6	140.50@141.00	141.00	137.50	137.90@138.20B	138.00	201	....	1006
7	138.30	139.50	137.80	139.40@.50	139.40	139	....	935
8	139.50@.80	140.40	139.00	140.00	140.00	263	....	817
9	140.90	143.00	139.80	142.70@.50	142.60	360	....	612
12	142.50	143.30	140.20	140.90@.50	140.70	217	....	476
13	138.80@.50	138.80	136.20	138.00	138.00	219	....	356
14	136.00	138.00	134.30	135.50@.10	135.30	209	....	225
15	135.50	137.80	131.00	134.50@136.00	135.30	115	....	117
16	....	....	....	....	....	6	33	84
19	....	....	....	....	....	....	70	14
20	....	....	....	....	....	....	1	13
21	....	....	....	....	....	....	10	3
23	....	....	....	....	....	....	2	1
26	....	....	....	....	....	....	1	....

SEPTEMBER 1982 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	184.70	184.80	182.60	182.60@.90	182.80	21	580
5	181.00	181.20B	178.50	178.50@.70	178.60	90	591
6	180.00	181.00B	178.60	180.50	180.50	34	600
7	181.00	181.00	177.50	180.00	180.00	88	592
8	180.30	181.50B	180.00	180.50@181.50B	181.00	28	609
11	178.00	178.70B	177.00A	178.30	178.30	23	613
12	177.50	181.50	176.80A	181.00@.50	181.20	69	629
13	180.00	180.80	179.60	180.00	180.00	20	632
14	180.50	182.90	180.00	182.70	182.70	26	625
15	182.00	182.00	179.60	179.90B	179.90	25	615
18	179.90	179.90	177.80	178.10	178.10	48	612
19	178.90	179.70	177.30	178.40	178.40	78	638
20	178.00	178.50B	176.60	176.70@.80	176.80	38	625
21	176.60	178.20	176.30	176.90	176.90	42	625
22	176.00	176.01	171.90	171.90A	171.90	122	640
25	169.50	169.50	*166.90	168.00	168.00	68	636
26	169.50	171.30	168.00	169.00	169.00	63	635
27	169.00	170.20B	167.30	167.30	167.30	44	628
28	167.40	169.00	167.00	168.70@169.00	168.80	50	644
29	170.50	173.80	170.50	173.80B	173.80	90	666
IN FEBRUARY							
1	170.00	170.00	168.80	168.80A	168.80	39	673
2	168.00	168.00	*165.90	166.50@.20	166.40	77	675
3	166.00	167.20	*165.70	166.10@.40B	166.30	78	680
4	167.50	169.80	167.50	169.50@.80	169.60	37	688
5	168.60	171.20B	168.50	171.00@170.00A	170.50	46	699
8	169.00	169.00	165.80	166.20@.00	166.10	92	682
9	166.00	167.10B	*165.50	166.20@165.50	165.90	25	694
10	167.50	167.50	166.20	167.20@.30	167.20	24	697
11	167.50	167.50	166.60	167.50B	167.50	19	696
12	169.00	171.00	167.90	168.70	168.70	39	712
16	166.50	167.90	*165.00	167.90@.80	167.90	88	733
17	168.00	169.50	167.50A	169.40@.00A	169.20	124	777
18	169.50	170.20	168.80	169.00	169.00	106	734
19	167.40	168.50	167.00	167.00	167.00	59	743
22	170.00	171.80	170.00	171.80@.00	171.40	68	778
23	170.50	171.00	167.70A	168.00@167.70A	167.90	53	800
24	167.50	167.50	*164.20	166.00@167.20	166.60	113	808
25	165.00	166.90	165.00	165.80@166.50	166.20	45	806
26	165.00	165.30	*163.20	163.20@.80	163.50	105	763

RANDOM LENGTH LUMBER FUTURES PRICES

SEPTEMBER 1982 FUTURES CONTRACT IN MARCH 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	164.90	165.40	*163.00	163.50@.00	163.30	74	777
2	163.10	165.00	*162.80	164.00@163.00A	163.50	74	799
3	162.60	163.90B	*162.60	163.00@.50	163.30	29	805
4	164.00	165.00	162.80	162.80@163.60	163.20	62	808
5	162.80	162.80	_*158.20_	159.00@.50	159.30	114	800
8	159.50	160.10	*155.30	157.00@.50B	157.30	96	806
9	157.50	159.50	156.80	159.50@.00	159.20	93	814
10	159.50	162.20	159.20A	162.20	162.20	85	831
11	161.80	162.20	160.40	160.50@.80	160.70	107	861
12	160.20	161.30	157.60	159.00@.50	159.30	149	864
15	158.80	160.00	158.20	160.00	160.00	68	865
16	160.50	163.00	160.50	162.30@.00	162.10	82	851
17	164.00	165.70	163.20	165.70	165.70	118	846
18	165.10	166.30	164.30	165.40@.00	165.20	114	837
19	165.60	166.60	165.30	165.80	165.80	51	832
22	166.80	167.90	166.50	167.30@.50	167.40	77	823
23	168.00	168.70	165.50	166.40	166.40	94	864
24	166.10	166.80	165.60A	166.80	166.80	37	871
25	165.70	166.80	163.80	164.00B	164.00	97	886
26	163.00	163.00	159.90	160.00@159.90	160.00	127	876
29	159.00	160.80	158.40	160.80@.50	160.60	88	874
30	162.00	162.00	159.00	159.60@160.00	159.80	101	865
31	160.00	160.00	159.20	159.70@.50	159.60	114	880
				IN APRIL			
1	160.00	161.80	159.80A	160.00@.10	160.00	35	891
2	159.80	161.40	159.20	161.40@.00	161.20	74	904
5	161.00	163.30	161.00	161.80	161.80	129	918
6	161.00	161.00	157.30	158.00	158.00	124	898
7	157.00@156.70	158.00	156.20	156.60@157.00	156.80	129	886
8	156.30@.20	159.30	156.20	159.30@.00	159.10	137	881
12	160.30	160.80	158.50	160.50@.30	160.40	115	869
13	160.20	161.60	159.00	159.00@.40	159.20	100	863
14	157.90@.70	159.00B	157.00	159.00@158.50	158.80	64	865
15	158.20	159.00B	157.60	158.40@.20	158.30	125	899
16	158.00@157.70	158.00	*154.90	157.00@.10	157.10	199	971
19	156.80@.60	159.40	*154.30	154.30@155.50	154.90	255	1021
20	154.50	155.00	*152.50	152.50@.90	152.70	133	1055
21	154.50	155.00	*150.50	151.40B	151.40	251	1084
22	149.80@.50	150.80	*149.10	*150.30@.50B	150.40	185	1104
23	151.80	151.80	*149.00	149.50	149.50	277	1135
26	149.50@.70	151.60	*147.20	151.20@.60	151.40	354	1109
27	151.60	151.90	148.00	148.50@.20	148.40	339	1122
28	147.20@146.90	147.20	*144.40	144.80@.40	144.60	668	1265
29	144.00	_149.60_	*143.40	149.60B	149.60	499	1217
30	148.50	151.00	146.20	148.50	148.50	276	1207
				IN MAY			
3	147.50	147.70B	145.30	145.90@.30	145.60	147	1236
4	145.30@.20	146.50	*142.80	146.50@.00	146.20	356	1301
5	146.50@.80	148.40	145.50	146.40@.50	146.40	206	1305
6	147.80@.90	149.20	147.10	148.00	148.00	363	1439
7	151.00	152.60	148.70A	152.60@.00	152.30	446	1450
10	151.30@150.80	151.30	149.50	150.30	150.30	235	1459
11	150.30@.00	152.20	149.30	150.30@.00	150.20	254	1442
12	152.00	152.00	_145.20_	145.30@.20	145.30	524	1519
13	144.80@.30	147.50	143.70	146.80@.50	146.60	517	1564
14	146.80@147.00	150.50	146.50	149.30@148.60	148.90	559	1539
17	148.80	149.50	145.80	146.50@.30	146.40	373	1542
18	147.50	148.40	145.40	145.40@146.00	145.70	302	1548
19	146.50	149.50	145.00	149.30@.00	149.10	431	1498
20	148.50	150.40	147.80	150.20@.00	150.10	885	1667
21	151.20@.60	151.60	148.20	150.80@151.20	151.00	358	1692
24	151.50@.30	151.80	148.30	149.30@.60	149.50	371	1687
25	149.10@148.70	151.00	148.70	151.00	151.00	301	1703
26	152.50@.20	154.90	151.70	154.00@.20	154.10	800	1757
27	153.50	154.80	152.80	153.50@.20	153.40	429	1794
28	153.00	154.20	152.00	152.10@.70	152.40	342	1726

RANDOM LENGTH LUMBER FUTURES PRICES

SEPTEMBER 1982 FUTURES CONTRACT
IN JUNE 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	150.50@.40	150.50	*147.40*	147.40A	147.40	563	1688
2	145.30	146.50	143.80	143.80@144.20	144.00	820	1747
3	144.00@.20	144.90	*141.00	141.20@.00	141.10	900	1795
4	140.30@.10	142.00	*137.00	139.70@.00B	139.40	953	1755
7	130,80@.50	142.30	138.50	141.00@.30	141.10	644	1723
8	141.10@140.80	142.00	140.30	140.50A	140.50	508	1717
9	141.50@.30	143.50	141.30	143.20@.40	143.30	744	1827
10	146.00@145.70	146.00	142.00	142.40@.00	142.20	938	1865
11	145.20@.50	145.50	142.90	144.80A@.00	144.40	966	1950
14	140.50	141.20	*139.40*	139.40A	139.40	668	2023
15	137.80@.60	139.50	*136.00	136.50@.10	136.30	996	2105
16	136.80	138.50	136.00	136.50@.80	136.60	797	2224
17	140.50@141.60	*141.60*	*135.00	137.50@138.10	137.80	1545	2280
18	137.00	137.80	135.20	135.50@136.00	135.80	714	2246
21	135.00	138.50	*131.60	138.20@.50	138.30	1208	2233
22	138.30@.00	141.00	137.20	138.80@139.00	138.90	974	2157
23	137.70@.30	138.80	136.00	137.10@136.80	137.00	887	2210
24	140.30@.50	140.50	136.50	137.50@.00	137.20	969	2170
25	135.20@134.80	135.90	134.20	134.70@.50	134.60	759	2064
26	134.50@.30	134.80	132.50	134.50@.20	134.40	633	2228
29	134.90@135.00	135.90	134.10	135.50@134.80	135.10	630	2290
30	137.00@136.50	137.60	136.10	137.20@.50	137.30	793	2287
				IN JULY			
1	137.30@.10	139.50	136.20	139.20@138.50	138.80	1190	2298
2	138.10	139.30	137.80	138.70@139.30	139.00	546	2296
6	141.00	141.00	136.40	136.80@.40	136.60	1194	2377
7	136.50@.30	137.50	135.50	137.50@.00	137.20	679	2367
8	138.40@.30	139.70	137.50	139.50@.00	139.20	802	2481
9	141.00@140.50	*144.20*	140.00	144.20@.20B	144.20	2072	2393
12	145.00@.30	146.40	143.50	145.00@.40	145.20	1711	2482
13	143.50@.80	143.80	142.00	142.50@.10	142.30	1108	2523
14	142.00@141.60	142.00	140.20	141.90@.50	141.70	859	2603
15	142.70@.60	143.50	141.80	142.40@.10	142.20	831	2703
16	142.50@.80	144.20	142.50	143.50@144.00	143.70	925	2697
19	144.00@.30	144.30	140.80	141.80@.20	141.50	791	2646
20	140.50@.70	140.90	136.70	136.70@137.00	136.90	1736	2399
21	137.50@.70	139.00	137.20	138.00@137.50	137.70	924	2337
22	137.40@.30	138.50	136.50	137.50@138.50	138.00	624	2378
23	138.20@.10	139.00	137.00	137.70@138.00	137.90	639	2510
26	135.00@134.50	135.50	133.30	134.10@.20	134.20	1256	2392
27	133.50	134.80	133.50	133.70@.50	133.60	577	2379
28	132.10	133.90	132.10	133.00@.70	133.40	655	2276
29	134.40	136.00	132.50	133.60@134.00	133.80	1067	2062
30	133.80	133.80	132.00	132.50@.00	132.30	505	1917
				IN AUGUST			
2	134.90@.80	134.90	133.60	134.40@.00	134.20	406	1924
3	133.50@.10	133.50	*130.50	131.00@130.50	130.80	936	1978
4	130.90@.80	133.20	*129.50	132.70	132.70	887	1957
5	132.20@.10	135.50	131.30	135.50@.00	135.20	1187	1825
6	134.80	134.80	133.50	134.00@.50	134.30	423	1792
9	132.50@.00	133.00	*129.30	130.40@.00	130.20	689	1817
10	130.70	130.70	*128.00	128.00@.50	128.30	448	1766
11	127.50	129.80	*127.30	129.40@128.70	129.00	413	1676
12	129.20	129.40	128.30	128.90@.50	128.70	248	1644
13	128.50	128.50	*123.70	125.30@.50	125.40	770	1710
16	126.60@.50	127.80	124.80	125.50@.10	125.30	496	1743
17	126.20@.50	126.80	124.40	125.30@126.00	125.60	426	1701
18	130.60@.60B	*130.60*	130.60	130.60B	130.60	249	1655
19	131.50@130.60	133.00	128.50	132.70@.50	132.60	1142	1490
20	133.70@134.20	135.20	131.20	135.00@.20	135.10	601	1408
23	134.00	137.90	134.00	137.20@136.80	137.00	623	1324
24	136.80	138.80	135.70	137.80@138.00	137.90	662	1218
25	134.00	136.50	134.00	134.80@135.30	135.10	377	1190
26	136.50	136.90	133.70	135.00@134.00	134.50	274	1110
27	133.00	134.20	132.60	134.00@.20	134.10	283	990
30	133.80@.70	133.80	132.00	132.80@133.30	133.10	149	924
31	134.00	135.50	133.50	134.90	134.90	179	863

RANDOM LENGTH LUMBER FUTURES PRICES

SEPTEMBER 1982 FUTURES CONTRACT IN SEPTEMBER 1982

Date	Open Range	High	Settlement Low	Closing Range	(Trades Price	Volume Cleared)	Open Deliveries	Interest
1	135.00	135.60	133.70	133.80@134.00	133.90	171	....	813
2	134.10	134.10	132.00	133.40	133.40	128	....	765
3	134.10	135.00	133.50	134.10	134.10	84	....	733
7	134.80	136.50	133.10	134.00@.50	134.20	151	....	610
8	133.50	134.50	131.60	134.50	134.50	103	....	499
9	133.50	133.50	132.60	132.70	132.70	75	....	446
10	132.00	132.10	131.00	131.60	131.60	77	....	379
13	131.70	134.00	131.70	133.70	133.70	120	....	317
14	133.70	134.30	132.50	132.70@.50	132.60	168	....	168
15	133.00	133.00	*127.60*	127.60A	127.60	145	....	44
16	....	....	....	....	....	16	7	36
17	....	....	....	....	....	....	31	5
21	....	....	....	....	....	....	1	4
22	....	....	....	....	....	....	3	1
24	....	....	....	....	....	....	1	....

NOVEMBER 1982 FUTURES CONTRACT IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	184.50	184.50	182.10A	182.10A	182.10	21	533
5	181.50	181.50	178.20A	178.20A	178.20	34	542
6	179.50	180.50	178.80	179.50	179.50	14	554
7	180.50	180.50	178.50A	178.80B	178.80	47	558
8	179.80	181.00	179.50	180.00@179.60A	179.80	43	572
11	178.00	178.00	176.10A	177.30A	177.30	18	581
12	177.50	180.20B	176.50A	178.50@180.00B	179.20	47	571
13	180.00	180.00	178.00A	178.80@.50	178.70	12	576
14	179.50	183.00B	179.50	182.10	182.10	44	583
15	181.50	181.70B	180.10A	181.20	181.20	19	595
18	180.30	181.20	180.10	180.10	180.10	93	618
19	180.90	181.30	179.50	180.00	180.00	19	618
20	180.50	180.50	178.00	178.10@.00	178.10	26	633
21	178.50	179.30	177.00	177.50@.00	177.30	72	641
22	177.50	177.50	172.60	173.00@172.60	172.80	74	660
25	172.50	172.50	*168.80A	170.10A	170.10	72	673
26	172.30	172.80B	170.10	170.50A@.10	170.30	18	669
27	172.00	172.00	*168.10	168.70@.10	168.40	27	668
28	170.00	170.50B	168.50A	169.00@.50	169.20	23	671
29	173.00	*174.20*	172.00	173.10@.00	173.00	44	673
			IN FEBRUARY				
1	169.00	169.00	**168.00*	168.00A	168.00	49	673
2	167.50	170.00	*167.50	168.70B	168.70	41	687
3	168.70	170.00	168.30	169.10	169.10	68	690
4	170.20	172.90	170.20	172.90@.30A	172.60	43	676
5	172.60	173.00	170.50	171.80B	171.80	39	680
8	171.00	171.00	168.30	168.30	168.30	39	672
9	168.20	169.00	*167.00	167.00	167.00	30	676
10	168.00	169.00	168.00	168.00	168.00	19	678
11	169.50	169.50	168.50A	168.50B	168.50	25	691
12	169.50	171.80	168.50	168.50	168.50	60	692
16	167.50	168.00	*166.10A	167.00@168.00	167.50	41	688
17	170.00	170.70	168.20A	170.50A@.00	170.20	49	692
18	170.50	171.50	168.70	169.10@168.70	168.90	108	739
19	167.20	169.50	167.20	168.30	168.30	36	728
22	171.00	172.80	171.00	172.80@.00A	172.40	75	727
23	171.50	172.50	169.00A	169.20@.00A	169.10	24	726
24	167.50	169.10	166.40	167.10	167.10	67	749
25	167.50	169.10	167.00A	167.50	167.50	13	746
26	166.50	167.50	*165.50A	165.50A	165.50	67	728

RANDOM LENGTH LUMBER FUTURES PRICES

NOVEMBER 1982 FUTURES CONTRACT
IN MARCH 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	166.00	167.40	165.60	165.70	165.70	49	726
2	165.80	167.40	*165.40	166.00@165.80A	165.90	29	723
3	165.90	166.50B	165.50	165.50	165.50	49	704
4	166.80	167.20	*164.90	164.90	164.90	53	683
5	164.50	164.50	*_159.90_	159.90	159.90	122	655
8	161.30	161.30	*157.10	157.10@158.00B	157.60	59	669
9	157.60	160.00	157.60	160.00	160.00	46	663
10	161.30	163.20	161.30	163.10@.20	163.10	61	675
11	162.60	163.50	162.00	162.00	162.00	71	675
12	161.50	162.70B	159.00A	160.00B	160.00	75	711
15	159.50	161.00	159.50	159.50@160.30B	159.90	29	728
16	161.00	_164.90_	161.00	163.30@.20	163.20	83	747
17	166.30	166.80	164.80A	166.30@.80B	166.50	118	726
18	166.50	167.20	166.00	167.00@166.70	166.80	52	719
19	166.50	167.90	166.50	166.50@167.00B	166.80	42	717
22	168.70	169.80	168.30	168.50@169.00	168.70	71	711
23	169.20	169.90	167.20	167.70@.20	167.50	49	705
24	167.00	167.90	167.00	167.90@.70	167.80	29	694
25	167.50	168.40B	164.60	165.00@164.50	164.80	60	686
26	164.00	164.00	161.30	161.50@.30	161.40	85	651
29	159.70	161.60B	159.60	161.50	161.50	30	655
30	162.50	163.20B	159.90	160.60@161.00B	160.80	27	662
31	160.50	160.70	159.80	160.50	160.50	36	672

IN APRIL

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	161.00	162.70	160.50A	161.20A	161.20	19	679
2	161.00	162.20	160.40	162.20@.00A	162.10	22	693
5	162.00	164.30B	162.00	163.00@.50B	163.20	25	569
6	162.20	162.20	158.60A	158.60A	158.60	60	574
7	158.00	158.70	157.20	158.00A	158.00	75	532
8	157.20	160.20B	157.20	160.20B	160.20	55	537
12	161.00	162.00B	159.50A	160.80@161.00B	160.90	28	532
13	162.00	162.20B	160.10	160.50@.10	160.30	44	531
14	159.50	160.00	158.50	159.50@.00	159.30	69	531
15	160.00	160.30	159.00	159.00@.50B	159.30	50	545
16	158.80	158.80	*156.60	158.00	158.00	41	553
19	157.50	160.20B	*155.50	156.50A@155.50	156.00	37	551
20	156.00	156.80	*154.10	154.10@.70	154.40	58	563
21	155.20	156.00	*152.50	152.50	152.50	103	588
22	152.00@151.80	153.00	*151.20	151.50	151.50	31	592
23	152.80	153.20B	*150.50	150.50	150.50	32	594
26	151.00@.10	153.50	*150.00	153.00@152.50	152.70	83	607
27	153.50	154.50	150.10	150.10	150.10	84	611
28	150.10	150.10	*147.60	147.60	147.60	102	630
29	147.30	_152.60_	*146.70	152.60@.60B	152.60	68	620
30	152.00	153.00	149.20	149.50@.20	149.40	101	629

IN MAY

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
3	149.70	149.70	147.70A	147.90@.70A	147.80	41	631
4	147.10@146.60	148.70	*146.00	148.20	148.20	57	632
5	149.80	150.80	148.00A	148.40	148.40	49	656
6	151.40@.60	151.80	150.20	150.20	150.20	47	658
7	152.30@.60	155.00	151.80A	154.00	154.00	97	645
10	153.30	154.00	152.00A	153.50@.90	153.70	69	679
11	153.00	156.20	152.50A	155.00@154.50	154.70	132	697
12	155.50	156.10	149.80	151.20@150.10	150.70	210	710
13	150.00	152.60	149.50	151.50	151.50	159	798
14	151.70	154.20	151.00	153.50@.00	153.20	115	834
17	153.20	153.60B	150.20	150.20	150.20	134	833
18	150.30	151.70	149.50	149.50	149.50	74	842
19	150.00	153.40	149.80	153.40@.00	153.20	65	798
20	153.50	154.20B	152.20	153.30@.50B	153.40	94	809
21	154.70	154.70	151.90	153.50@154.50	154.00	47	832
24	155.50	155.50	152.40	153.30@.50	153.40	24	820
25	153.00	154.80	153.00	154.80@.50	154.60	32	817
26	155.00	158.80	155.00	158.20@.80	158.50	236	851
27	157.00@156.70	158.40	156.70	158.00@.20	158.10	89	854
28	156.50	158.80	156.20A	156.20B@.40	156.30	43	854

RANDOM LENGTH LUMBER FUTURES PRICES

NOVEMBER 1982 FUTURES CONTRACT
IN JUNE 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared	Open Interest
1	154.30@.20	154.30	_151.30_	151.30A	151.30	138	885
2	150.40	151.00	146.50	148.50A@146.50	147.50	215	837
3	148.00	149.10	_*142.50_	144.00@142.50	143.30	319	900
4	143.50	145.30	*141.00	142.50B@143.50	143.00	265	921
7	142.60@.70	145.90	142.60	145.50@.90	145.70	289	1012
8	144.00	146.30B	144.00	145.40@144.70	145.10	111	968
9	145.50	147.80	145.50	147.50A@.10	147.30	162	1015
10	149.50@150.00	150.00	145.60	145.60@146.70	146.00	201	1085
11	148.50@149.00	149.00	145.50	147.50@146.80	147.10	320	1101
14	145.00	145.00	_142.10_	142.10	142.10	175	1073
15	141.10	142.20B	*138.10	138.10	138.10	359	1085
16	139.00@138.80	140.50	*137.60	138.10@137.60	137.90	215	1133
17	142.00@.20	142.20	*136.00	137.50@136.50	137.00	514	1277
18	136.50	137.30B	*134.60	135.00@.10	135.10	361	1271
21	135.00@134.90	138.30	*132.60	137.40@138.00	137.70	608	1314
22	138.00@.30	140.80B	137.50	139.80B@140.50	140.10	263	1235
23	138.60@.50	139.60B	136.80	137.50@138.30	137.90	262	1260
24	138.80@139.40	139.90	137.50	138.40@137.50	137.90	211	1233
25	137.30@.00	137.30	135.30	135.50@136.00	135.80	184	1200
28	135.80	136.00	134.20	135.80@136.00	135.90	154	1191
29	136.00@.20	137.00	135.60	136.80@.20	136.50	76	1199
30	139.90@141.20	141.20	138.00	139.20@.50	139.30	323	1273
IN JULY							
1	139.00@.50	140.40	138.00	140.00@139.00	139.50	227	1339
2	138.50	140.40	138.50	140.40	140.40	157	1282
6	141.50@.80	141.80	137.50	138.70@.50A	138.60	242	1283
7	137.80	138.30	136.60	138.30@.00	138.20	204	1294
8	139.00	139.90	137.70A	139.50@.90	139.70	263	1311
9	141.00@.70	_144.70_	140.80	144.70@.70B	144.70	471	1242
12	145.50	147.40	145.00	146.80@.00	146.40	559	1324
13	144.80@.60	145.30	143.90	144.10@.80	144.50	378	1327
14	144.00@143.50	144.50	142.20	144.50@.10	144.30	297	1268
15	145.20@.30	146.50	144.70	145.50@.00A	145.20	295	1249
16	145.50	148.30	145.50	148.20@.30	148.20	555	1163
19	149.30@.50	149.50	144.80	145.10A@144.80	145.00	480	1213
20	144.00@143.70	144.50	141.00	141.00@.50	141.30	527	1261
21	142.20	144.20	142.00	142.40@.20	142.30	768	1404
22	141.10@.50	142.20	140.80	141.80A@.60	141.70	319	1429
23	141.30	142.90	141.10	141.80@142.50	142.10	259	1457
26	139.60@.20	140.20	138.30	138.50	138.50	515	1453
27	137.80	139.50	137.50	137.50	137.50	647	1454
28	136.60@.50	138.00	136.30	136.70@137.00	136.90	507	1286
29	137.80	138.90	133.50	135.00A@133.50	134.30	758	1393
30	135.50@.70	136.30	135.00	135.20@.00	135.10	451	1494
IN AUGUST							
2	137.40	137.90	136.50	137.70	137.70	416	1529
3	137.00	137.50	135.60	136.20@.30	136.30	577	1646
4	135.90@136.00	137.40	134.30	136.60@.90	136.70	719	1589
5	136.00@.20	138.00	135.50	137.20@136.80	137.00	417	1634
6	136.90@137.00	137.00	135.80	136.40@.50	136.50	237	1645
9	134.50	135.90	133.20	133.40@.30	133.40	538	1624
10	134.00	134.00	*132.10	132.50@.10	132.30	467	1599
11	132.00	133.80	*131.00	132.00@131.80	131.90	370	1577
12	132.40@.30	133.40	131.20	132.60@.30	132.40	307	1603
13	132.10	132.20	*129.50	130.50@.30	130.40	630	1681
16	132.20@.40	133.40	130.70	131.40@.20	131.30	514	1724
17	132.00@131.80	133.30	131.20	132.60@133.20	132.90	569	1803
18	137.90@.90B	_137.90_	137.90	137.90@.90B	137.90	325	1957
19	138.70@.50	139.70	135.50	139.30@138.80	139.00	1571	2104
20	141.20	142.50	139.00	142.00B@.50	142.20	1306	2359
23	141.80@142.00	145.50	140.60	145.50@.00	145.20	1167	2571
24	145.80@146.00	147.80	144.20	146.00@.30	146.10	1461	2806
25	144.60@.50	145.70	143.10	144.30@.00	144.20	1124	2745
26	145.40	146.10	142.20	142.40@.20	142.30	1180	2682
27	141.00	141.20	140.00	140.70	140.70	1072	2697
30	140.30@.10	140.30	138.80	139.50A@.00	139.30	774	2619
31	139.60@.80	142.40	139.60	142.40@.00	142.20	965	2724

RANDOM LENGTH LUMBER FUTURES PRICES

NOVEMBER 1982 FUTURES CONTRACT IN SEPTEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	142.00@141.70	144.20	141.50	142.90@.70	142.80	1062	2847
2	143.00	143.20	140.60	140.60@.90	140.80	771	2847
3	140.80@.50	144.00	140.30	143.50@.30	143.40	1057	2974
7	144.00@.20	144.50	140.60	142.00@141.80	141.90	1161	2781
8	140.50@139.50	141.70	138.60	141.70@.10	141.40	1341	2739
9	141.00@140.80	141.00	139.00	139.40@.00	139.20	814	2831
10	138.00@137.80	138.00	135.20	135.50@.20	135.40	1855	2800
13	135.50@.40	137.50	135.40	136.80@137.30	137.00	798	2663
14	138.00@137.80	139.20	135.90	135.90@136.10	136.00	867	2511
15	136.80@137.00	137.10	135.10	136.00	136.00	1059	2440
16	135.20	137.90	135.20	136.50@137.00	136.70	688	2490
17	135.00	137.40	134.80	134.80@135.00	134.90	665	2523
20	134.40	134.90	132.20	132.20@.30	132.30	1257	2687
21	133.40	134.00	132.50	133.30@.00	133.10	587	2752
22	135.00	135.90	133.20	134.00@133.50	133.70	1209	2920
23	133.70@.80	134.60	133.10	134.40@.00	134.20	516	2912
24	133.40@.20	133.90	132.70	133.00@.40	133.20	531	2926
27	133.70	133.80	132.10	132.50@.10	132.30	345	2916
28	132.20@.00	132.60	131.10	131.60@132.00	131.80	697	2999
29	131.70	132.20	129.50	129.50@.80	129.70	774	2883
30	129.50@.00	130.30	*128.00	130.00	130.00	847	2802
				IN OCTOBER			
1	133.00	133.00	131.20	131.80@132.50	132.10	962	2726
4	129.80@.60	131.00	128.60	130.80@131.00	130.90	528	2665
5	131.30@.50	133.00	130.30	132.80@133.00	132.90	542	2727
6	133.80	*137.90*	133.50	136.00@135.50	135.70	1669	2634
7	137.40@.90	140.30	137.30	140.30@.00	140.10	1573	2674
8	140.80@.90	141.00	137.30	138.90@.50	138.70	1070	2665
11	141.50@.30	*143.70*	140.30	143.70@.70B	143.70	1447	2789
12	142.90	143.30	140.60	142.20@143.00	142.60	1130	2822
13	141.00@140.80	144.90	140.50	144.50@.30	144.40	1283	2944
14	143.70	147.30	143.40	145.30A@144.00	144.60	923	2941
15	143.60	144.60	142.10	142.20@.10	142.20	502	2871
18	142.00@141.70	145.20	141.60	144.50@.00	144.20	482	2823
19	145.00	146.90	143.60	144.50@143.60	144.10	729	2832
20	141.00@140.50	141.60	*139.10*	139.10A	139.10	701	2697
21	138.50	139.90	136.10	136.50@.10	136.30	821	2552
22	136.50@.30	137.70	135.60	136.60@137.00	136.80	431	2403
25	134.30@.10	135.20	133.00	133.60@.00	133.30	728	2170
26	133.70	136.00	133.20	135.20B@136.00A	135.60	529	2110
27	135.60	136.40	134.60	135.50@.70	135.60	378	1951
28	136.40@.60	137.50	136.00	136.80@.50	136.60	529	1893
29	138.30	141.40	137.50	141.20@.40	141.30	662	1730

IN NOVEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Deliveries	Open Interest
1	142.00	143.90	141.20	142.10@.50	142.30	589	....	1677
2	142.30	144.50	141.20	142.00@.50	142.30	330	....	1648
3	143.70	143.80	141.10	141.20	141.20	372	....	1557
4	143.00	*146.20*	143.00	146.20B	146.20	398	....	1357
5	147.20@.00	151.00	147.00	149.00@148.50	148.70	482	....	1200
8	147.00@146.50	149.90	146.50	149.70	149.70	236	....	1143
9	147.60	150.00	146.60	148.50@149.00	148.80	259	....	1154
10	149.30	149.30	146.70	146.70	146.70	183	....	995
11	145.60@.50	146.50	143.70	144.80	144.80	273	....	812
12	147.00	*149.80*	146.00	149.80	149.80	321	....	575
15	149.70	149.70	144.90	145.50	145.50	225	....	336
16	....	....	....	....	....	31	101	235
17	....	....	....	....	....	....	55	180
18	....	....	....	....	....	....	32	148
19	....	....	....	....	....	....	17	131
22	....	....	....	....	....	13	48	70
23	....	....	....	....	....	....	6	64
24	....	....	....	....	....	....	22	42
26	....	....	....	....	....	....	18	24
29	....	....	....	....	....	....	20	4
30	....	....	....	....	....	....	4	....

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1983 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	192.00	192.00	189.50A	189.50A	189.50	19	474
5	187.50	187.50	185.70A	185.70A	185.70	29	493
6	187.40	187.50	186.50A	186.80@187.50B	187.10	12	500
7	187.00	187.50	186.00A	186.20B	186.20	74	515
8	188.50	188.50	187.20	187.20	187.20	24	530
11	185.20	185.80B	184.30	185.30A	185.30	8	528
12	185.50	188.00B	184.80A	187.00@185.80	186.40	33	512
13	187.00	187.00	186.00	187.00@186.00	186.50	21	513
14	187.50	190.90	187.50	189.50B@190.00	189.70	34	490
15	189.50	189.70	188.10A	189.20B	189.20	11	486
18	189.90	189.90	187.80A	187.80A	187.80	11	478
19	186.50	188.80	186.50	188.80@.00	188.40	14	487
20	187.50	188.20B	186.60A	187.50@186.60A	187.10	13	476
21	187.00	188.50	187.00	187.10@188.50	187.80	46	485
22	185.10	185.10	*183.00	183.50@.00	183.30	60	484
25	181.00	181.00	*178.80A	179.00	179.00	23	465
26	179.50	182.20	179.50	180.30@179.80A	180.00	16	464
27	176.90	181.00B	*176.00A	177.50@178.00	177.80	19	464
28	178.00	179.00	177.40A	179.00	179.00	32	484
29	180.00	182.50	180.00	182.10@.50	182.30	37	500
IN FEBRUARY							
1	179.10	179.10	*177.30*	177.30A	177.30	30	499
2	177.00	178.50B	177.00	177.60	177.60	19	503
3	177.60	178.50	177.00	178.00@177.60	177.80	27	511
4	179.50	180.20	178.60A	179.00	179.00	7	512
5	178.00	180.50	178.00	180.00	180.00	15	509
8	179.00	179.00	176.50A	177.20@176.50A	176.90	38	497
9	177.00	177.00	*175.10	176.30@175.30	175.80	77	464
10	176.00	176.70	175.80A	176.70	176.70	22	505
11	175.50	176.00B	175.50	175.80A	175.80	9	503
12	178.30	178.80B	*175.00	177.00@.50	177.20	86	526
16	172.20	175.00	**172.20*	174.00@175.00	174.50	26	534
17	175.00	177.00	175.00	176.70B	176.70	10	537
18	176.70	178.90	176.60A	177.50@176.60A	177.00	25	551
19	176.80	177.50	175.00A	175.70	175.70	32	562
22	177.50	179.00B	177.50	178.80B	178.80	6	559
23	177.50	178.90B	175.70	175.70	175.70	9	563
24	176.50	176.50	173.50A	175.00	175.00	4	562
25	175.10	175.60B	175.00A	175.10	175.10	1	562
26	174.00	174.50	173.00	173.00	173.00	24	556
IN MARCH							
1	175.50	175.50	172.50A	172.50A	172.50	15	560
2	172.50	174.00B	172.30A	173.10A	173.10	1	561
3	173.80	174.50	173.80	174.10@.50	174.30	28	551
4	175.80	175.80	*172.00	172.00	172.00	9	543
5	172.00	172.00	**167.00*	168.00@167.00	167.50	88	512
8	167.00	168.20B	*165.00	166.40@.00	156.20	23	506
9	165.30	167.00	165.00A	166.80@.50	166.60	53	484
10	167.00	171.00	167.00	170.50@171.00	170.70	24	458
11	169.70	170.20	168.80A	169.50@168.80A	169.20	25	448
12	168.40	169.50B	166.50A	166.50B	166.50	23	455
15	166.20	168.00	166.20	167.50@166.70	167.10	28	460
16	168.00	171.00	168.00	170.00	170.00	30	457
17	172.00	173.80	171.80	173.80@172.50A	173.10	27	448
18	172.90	174.20B	172.50	174.00	174.00	36	441
19	174.50	175.00	173.90A	175.00	175.00	23	443
22	176.00	177.00	176.00	177.00@176.00A	176.50	15	444
23	177.00	177.00	175.20	175.20	175.20	12	443
24	175.10	175.50	174.50A	175.50	175.50	7	445
25	174.60	175.20B	172.60	172.70@173.00	172.90	22	445
26	171.00	171.00	168.00A	170.00@168.00A	169.00	18	424
29	168.00	169.70B	167.30	169.00@168.50	168.80	7	417
30	169.00	170.00B	168.00A	169.00@168.30A	168.70	2	419
31	168.00	168.50	167.50	168.50	168.50	12	411

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1983 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	.....	169.40B	167.70A	168.20A	168.20	1	413
2	169.00	169.20B	168.00A	168.50@.00A	168.20	2	412
5	170.00	171.00B	169.30	169.30	169.30	2	413
6	170.50	170.50	166.00	166.10A	166.10	20	385
7	166.00	166.50	165.10A	165.10A	165.10	22	297
8	167.00	168.00	166.70A	166.80A	166.80	8	291
12	168.50@.00A	169.40B	166.70A	168.50@.00A	168.20	2	291
13	169.00	170.00B	168.50	168.90@.50	168.70	16	290
14	168.30	168.70	166.50	166.80B@167.30	167.10	50	290
15	166.70	167.10	166.00A	166.80@.60A	166.70	14	304
16	165.20	165.50	*164.00	164.50@165.50	165.00	11	305
19	165.50	167.00B	164.00	164.00	164.00	14	308
20	163.70	164.00	*162.00A	162.50@.00A	162.30	7	312
21	162.00	164.00B	*160.80	161.00	161.00	18	317
22	160.20	160.50B	*159.60A	159.90@.60A	159.80	7	316
23	161.00	161.00	*158.50A	159.50@158.50A	159.00	33	326
26	158.20	161.50	*158.20	161.00@.50	161.20	40	335
27	159.30	161.50B	158.20	159.00@158.20	158.60	6	338
28	158.20@.00	158.20	*155.30A	155.70@.30A	155.50	47	351
29	155.10@.00	*160.50*	*155.00	159.50@160.50	160.00	17	353
30	158.50	159.50	157.20	158.50@157.40A	158.00	47	366

IN MAY

3	157.00	157.00	156.00	156.90@.00	156.50	21	359
4	155.80	156.00	*153.20	156.00@155.80A	155.90	26	359
5	156.70	157.50B	155.10	156.00@155.50A	155.80	11	359
6	158.50	158.50	157.40A	158.00@157.50	157.70	29	371
7	159.00	162.50	158.40A	162.50@161.50A	162.00	27	360
10	161.00	162.00B	160.50A	161.30@.50	161.40	7	361
11	161.10	163.00B	160.50A	162.30@161.20A	161.70	45	380
12	162.50	162.50	157.20A	158.00@157.20A	157.60	16	373
13	157.50	160.00	157.00A	159.00	159.00	57	390
14	159.30	162.00	158.50A	161.00A	161.00	19	379
17	161.20	161.20	157.50	157.70@.50	157.60	15	379
18	157.20	159.10	157.20	157.30B@158.00	157.60	19	383
19	160.70	161.00	160.10A	160.10A@161.00	160.50	2	380
20	160.50	161.10	159.60A	160.50B@161.00	160.70	5	380
21	161.80	162.40	160.00	160.50B@162.40	161.90	15	381
24	162.00	162.00	159.50A	161.00B@162.00	161.50	3	383
25	160.00	162.00	160.50A	162.00@161.50A	161.70	15	388
26	162.40	165.90	162.40	165.90@.00A	165.40	28	382
27	164.50	165.50	164.20A	165.50@164.20A	164.90	15	390
28	165.00	167.00	163.20A	163.20A	163.20	42	384

IN JUNE

1	161.10@.00	161.10	*158.20A*	158.20A	158.20	20	382
2	157.10.00	157.70B	155.50	155.50@157.10	156.30	43	378
3	155.40	156.60	**151.30A*	152.00@151.30A	151.70	26	375
4	152.50	152.70B	*148.00	148.00@149.50	148.80	26	378
7	151.80	*153.80*	151.00	152.50	152.50	38	381
8	153.00	154.30B	152.10	152.50B@153.00	152.70	29	383
9	153.20	155.00	153.20	155.00@154.50A	154.70	34	374
10	155.80	156.10	152.00	152.00@154.00	153.00	25	381
11	155.30	155.50	152.80A	155.00@154.40	154.70	121	384
14	152.00@150.70	152.00	*149.70*	149.70@.70A	149.70	55	382
15	148.20	148.50	*145.00	145.50B@147.00	146.30	42	390
16	148.50	148.50	146.00	146.10B@147.00	146.50	29	404
17	147.30@.00	149.50B	*143.50	145.50@143.50	144.50	69	427
18	143.50	143.50	*140.50	141.10@140.50	140.80	120	418
21	141.00	144.00	*139.10	144.00	144.00	108	455
22	144.00@.20	147.50	144.00	147.50@.00A	147.20	131	423
23	146.00	146.40	143.20A	146.00@145.10	145.60	99	421
24	146.20	146.80	143.60	144.90@.50A	144.70	68	422
25	143.20	143.90B	142.10	143.00@142.50	142.80	81	433
28	143.00	143.00	141.30	142.00	142.00	49	421
29	142.20	143.50	141.90	143.10@.50	143.30	30	419
30	147.50	147.50	144.90	146.00@.20	146.10	67	430

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1983 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	146.80	146.90B	145.00	146.90A@.50	146.70	67	428
2	146.50	147.10	145.80A	147.00	147.00	78	435
6	147.70	147.70	144.80	145.90A@.60	145.80	67	440
7	145.50	146.10B	144.60	145.80A	145.80	32	436
8	145.50	146.50B	144.50	145.40A	145.40	42	440
9	147.20	*150.40*	146.50	150.40B	150.40	104	466
12	151.50	154.10B	151.50	153.70@152.50	153.10	83	506
13	152.00	152.50	149.80	152.50@149.80	151.20	72	524
14	151.00@150.90	151.50	149.50	151.00@.50	151.20	68	540
15	151.50	153.20	151.50	152.50A	152.50	70	525
16	154.40	156.20	153.80A	155.90@154.00	154.90	198	556
19	156.00	156.80	152.80	153.30@152.80	153.10	165	616
20	152.10@.00	152.50	149.20	150.00@149.20	149.60	138	642
21	149.60@150.20	151.80B	149.60	151.00@150.60	150.80	41	652
22	150.80@.50A	151.50	149.20	150.90@151.50	151.20	157	652
23	150.80@151.00	151.70	150.20	150.80B@151.00	150.90	102	694
26	149.00@148.90	149.50	148.00	148.20@.00	148.10	94	683
27	147.70	148.50	146.10	147.10@146.10	146.60	112	709
28	145.90	146.50	145.00	145.10@.30	145.20	96	677
29	145.50@.60	147.00	143.50	144.00@143.50	143.80	158	611
30	143.70	145.20	143.60	143.70@144.00	143.80	74	608
IN AUGUST							
2	146.50@.30	147.20B	146.00	147.00@146.50	146.70	169	642
3	146.50	146.70B	144.80	146.20@.00	146.10	96	668
4	145.50@.60	146.70	143.70	146.70@.60	146.60	275	741
5	145.90	147.00	144.70	147.00@145.50	146.30	211	748
6	145.60	146.70	145.50	146.00@145.50	145.80	58	763
9	144.70	145.30B	143.30	143.70@.30	143.50	178	728
10	144.00	144.00	141.70	142.10B	142.10	195	777
11	141.40@.00	142.40	140.30	141.20@.70	141.50	140	769
12	141.50@.80	142.30	140.50	142.00@141.50	141.70	92	780
13	141.70	141.70	*139.00	139.70@.80	139.80	129	787
16	141.90	143.30	140.70	141.00@140.80	140.90	187	784
17	141.80	142.50	141.00	141.50@.00	141.20	150	832
18	146.20@.20B	*146.20*	146.20	146.20B	146.20	102	885
19	146.80@.70	147.20	143.30	147.00B@.20	147.10	367	911
20	148.30@.20	150.00	147.50	149.90@.70	149.80	391	1009
23	150.20@.50	154.30	149.00	154.00@.30	154.10	467	1073
24	155.50@.30	156.90	154.10	155.00@154.50	154.70	380	1130
25	153.50@.20	154.80	152.40	154.00@153.60	153.80	240	1112
26	154.80@.90	155.40	152.10	152.70@.10	152.40	288	1108
27	152.10@151.50	152.10	150.30	150.60@.90	150.80	327	1162
30	151.00	151.00	148.60	150.00@149.40	149.70	282	1114
31	149.50@.00	152.30	149.00	152.00	152.00	308	1146
IN SEPTEMBER							
1	151.90@.40	154.00	151.40	152.50@.30	152.40	262	1177
2	153.00@.20	153.20	149.80	150.50B@.80	150.70	153	1227
3	150.60@.00	154.90	150.00	153.50A@.00	153.20	422	1271
7	154.20@.40	154.80	151.00	151.50@.00	151.30	325	1379
8	150.50@.70	151.50	149.30	151.20@.40	151.30	348	1413
9	151.30@.10	151.30	149.50	149.50@.90	149.70	233	1468
10	147.50@.30	148.00	145.10	146.50@145.10	145.80	687	1460
13	145.10@.30	147.50	145.10	147.00@.50	147.20	213	1455
14	148.70@.20	149.60	146.30	146.30@.70	146.50	253	1453
15	147.00	147.40	145.20	146.00@.30	146.20	433	1472
16	146.00@145.90	147.80	145.60	146.00@.40	146.20	202	1457
17	145.60@.50	147.00	144.50	145.40@.50	145.50	262	1511
20	145.50	146.40	143.50	143.70@.50	143.60	506	1606
21	144.20@.50	145.10	143.60	143.60@144.50	144.00	499	1642
22	145.50	147.00	144.80	145.00B@.70	145.30	725	1632
23	145.50@.70	146.40	144.60	145.50@.00	145.30	429	1598
24	144.50	144.80	143.90	144.00@.40	144.20	320	1581
27	144.70	145.20	143.80	144.10@143.80	144.00	135	1616
28	144.20	144.80	143.20	143.50@144.00	143.80	261	1671
29	143.80@.70	144.40	141.20	141.60@.20	141.40	571	1698
30	141.20@.40	141.90	140.20	141.60@.80	141.70	525	1739

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	143.00	143.50	141.70	142.20@.00	142.10	389	1785
4	140.20@.30	141.80	139.30	141.50@.80	141.70	433	1760
5	142.20	143.20	141.20	142.70@143.00	142.80	551	1792
6	143.90@.80	147.50	143.60	146.40@.00	146.20	1118	1691
7	148.50	*151.20*	148.30	150.80@151.00	150.90	1392	1739
8	151.80	152.40	149.00	150.50B@151.00	150.80	1080	1855
11	152.80@.50	*155.80*	152.50	155.80@.80B	155.80	1028	2078
12	155.50	155.50	153.20	154.50@.20	154.40	919	2285
13	153.30	*159.40*	152.60	159.00@.20	159.10	1477	2736
14	157.50@.70	162.00	157.30	159.00@158.60	158.80	1449	2730
15	158.00@157.60	158.50	155.50	155.70@156.00	155.90	949	2790
18	155.80@156.00	159.40	155.70	159.00@158.50	158.70	902	3039
19	159.60@.80	162.00	158.60	159.20@158.80	159.00	1504	3109
20	157.20@156.80	157.20	*154.00*	154.00@.00A	154.00	1500	3400
21	154.30@.00	156.20	152.20	153.20@.00	153.10	1630	3582
22	152.80	155.40	152.50	154.50@.80	154.60	870	3669
25	151.00	152.30	149.80	149.80@150.20	150.00	1258	3541
26	150.50@.30	151.50	149.00	150.80@.00	150.40	1069	3502
27	151.10	152.40	150.80	151.80@.30	151.50	812	3502
28	152.50	155.00	152.40	155.00@154.60	154.80	1284	3662
29	156.30	159.70	154.60	159.70@.50	159.60	1602	3578
IN NOVEMBER							
1	160.80	162.90	159.50	159.60@160.00	159.80	1681	3763
2	160.90@161.00	162.70	158.60	160.20@.80	160.50	1273	3890
3	162.00	162.40	158.40	158.40@.60	158.50	1782	3965
4	161.50@.30	*163.50*	160.50	163.50B	163.50	1586	4139
5	164.50	167.40	164.20	166.30@.00	166.10	1822	4346
8	164.90@.50	166.20	163.20	166.20@165.80	166.00	1461	4473
9	164.80@.60	165.00	162.50	162.70@163.30	163.00	1731	4452
10	163.00@.40	163.90	160.50	160.80@161.00	160.90	1809	4476
11	159.80	161.60	159.00	160.90@161.50	161.20	1406	4655
12	162.30@.80	*166.20*	162.30	166.20B	166.20	1565	4526
15	167.00@166.60	167.00	163.30	164.50	164.50	1775	4555
16	162.20	165.80	161.80	165.30@.50	165.40	1390	4568
17	167.80@168.00	169.60	166.60	169.40@.60	169.50	1397	4756
18	169.50@.90	171.30	168.10	169.20@168.10	168.70	1451	4701
19	169.90	170.70	167.30	168.00@.30	168.20	1212	4816
22	168.50	168.80	165.50	166.00@.50	166.30	1099	4781
23	165.80	166.70	164.30	164.50@.80	164.70	970	4824
24	164.10@163.50	165.90	163.50	165.50	165.50	765	4760
26	166.50	170.40	165.50	170.40	170.40	1012	4736
29	170.80	171.40	168.20	169.50@168.80	169.20	1172	4723
30	168.00	169.90	166.80	167.00@166.80	166.90	988	4780
IN DECEMBER							
1	167.90	169.00	166.30	167.30	167.30	790	4787
2	167.70	168.90	166.50	167.30@168.00	167.60	761	4882
3	168.00	168.30	165.00	165.50@.00	165.30	1152	4834
6	162.00@161.30	163.30	160.40	160.70@.40	160.60	1998	4465
7	160.50@.60	162.60	159.40	162.60@.00A	162.30	1397	4200
8	160.50@.20	162.40	159.70	160.30A@159.70	160.00	1132	4136
9	160.50	164.90	159.70	164.80	164.80	1191	3907
10	165.10@.00	165.10	163.00	163.60@.50	163.60	1017	3716
13	164.00	167.80	163.70	166.90	166.90	983	3642
14	169.60@.90	170.00	*161.90*	163.00@161.90A	162.50	1595	3378
15	164.50	165.70	163.00	165.20@.70	165.40	1029	3142
16	165.20	166.70	163.80	166.20@.40	166.30	592	3041
17	169.80@170.30	170.30	166.20	166.50@.20	166.30	820	2918
20	166.00	166.40	164.70	165.00@164.90	165.00	630	2783
21	165.60@.50	166.20	164.80	165.30A@.00	165.10	258	2739
22	166.10@.00	167.20	165.60	166.80@.70	166.70	384	2667
23	166.50@.30	167.90	166.00	166.90@167.40	167.10	443	2587
27	167.70	170.00	167.60	169.80@170.00	169.90	551	2526
28	169.00@168.90	169.70	168.40	168.80@169.30	169.10	340	2342
29	168.70	169.00	166.60	166.80@.60	166.70	395	2246
30	166.30	167.20	165.30	165.60	165.60	325	2141
31	166.10	167.60	165.40	167.50@.60	167.50	94	2104

RANDOM LENGTH LUMBER FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
4	....	....	195.00A	196.00A	196.00	....	8
5	194.00	194.18	*193.10A	193.10A	193.10	1	7
6	....	194.00B	*192.50A	192.50A	192.50	....	7
7	....	....	*192.00A	192.00A	192.00	....	7
8	....	194.00B	....	193.00B	193.00	....	7
11	....	....	*190.10A	191.00A	191.00	....	7
12	....	193.00B	190.80A	192.00B	192.00	....	7
13	....	192.50B	....	192.00N	192.00	....	7
14	....	196.00B	....	195.20B	195.20	....	7
15	....	196.00B	....	196.00B	196.00	....	7
18	....	....	194.10A	194.20A	194.20	....	7
19	194.50	195.00B	193.00A	194.00B	194.00	1	7
20	....	195.20B	193.50A	193.50A	193.50	....	7
21	195.60	195.60	192.50A	192.50A	192.50	1	7
22	193.00	193.00	*189.10A	189.10A	189.10	4	9
25	....	....	*185.00A	185.00A	185.00	....	9
26	....	187.80B	*184.50A	184.50A	184.50	....	9
27	183.90	187.00B	*183.00A	183.50A	183.50	1	9
28	184.40	184.50	184.00A	184.50B	184.50	2	9
29	....	*189.50B*	....	188.50B	188.50	....	9

IN FEBRUARY

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	185.00	185.00	*183.50*	184.00	184.00	6	12
2	184.80	185.50B	184.80	185.50B	185.50	2	14
3	187.50	188.00B	186.80A	188.00B	188.00	1	15
4	191.00	191.00	189.00A	189.00A	189.00	13	18
5	188.00	190.50B	187.80	190.50B	190.50	2	19
8	....	....	187.50A	187.50A	187.50	....	19
9	....	....	186.80A	186.80A	186.80	....	19
10	....	....	....	186.80N	186.80	....	19
11	....	....	185.80A	186.40A	186.40	....	19
12	185.80	186.70B	184.80	186.50B	186.50	5	21
16	185.50	185.50	184.50A	184.50A	184.50	1	20
17	....	186.50B	....	185.50B	185.50	....	20
18	186.00	186.00	185.50A	185.50A	185.50	2	22
19	185.00	185.00	184.00A	184.00A	184.00	1	23
22	....	188.00B	....	188.00B	188.00	....	23
23	....	....	185.00A	185.00A	185.00	....	23
24	184.50	185.00B	183.50A	184.00A	184.00	2	21
25	....	....	183.50A	184.00N	184.00	....	21
26	....	....	*182.50A	182.50A	182.50	....	21

IN MARCH

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	183.50	183.50	*182.00A	182.00A	182.00	4	23
2	....	183.00B	*181.50A	182.00N	182.00	....	23
3	182.70	183.00B	182.10A	182.10A	182.10	8	22
4	183.00	183.00	*180.60A	180.60A	180.60	3	24
5	180.60	180.60	*176.00	176.00	176.00	14	31
8	175.60	176.50B	*171.50A	173.00A	173.00	7	35
9	172.80	174.00B	172.00A	173.30B	173.30	5	35
10	....	177.00B	....	177.00B	177.00	....	35
11	....	....	176.00A	176.50A	176.50	....	35
12	175.00	177.50B	173.60A	173.60A	173.60	1	34
15	174.00	175.80B	173.00A	175.80B	175.80	7	34
16	178.00	179.00B	178.00	178.30B	178.30	5	37
17	179.50	181.00	179.50	180.50B	180.50	21	53
18	181.50	182.20B	181.50	182.20B	182.20	2	45
19	182.00	183.30	182.00	183.00	183.00	24	47
22	184.00	185.00	184.00	184.80A	184.80	11	50
23	185.00	185.00	183.80A	183.80A	183.80	9	55
24	183.80	184.00B	183.70	183.70	183.70	6	52
25	183.70	184.00	181.00	181.00	181.00	10	52
26	180.00	180.00	177.30A	177.30A	177.30	8	49
29	178.00	178.30B	176.00A	177.50A	177.50	3	46
30	179.20	179.20	177.30	178.00B	178.00	7	45
31	176.80	177.30	176.00A	177.30	177.30	5	50

RANDOM LENGTH LUMBER FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	.....	178.00B	177.00A	178.00B	178.00	1	50
2	.....	.....	177.50A	177.80A	177.80	.....	50
5	179.30	179.50B	178.00	178.00	178.00	5	48
6	174.50@.00	178.30B	*173.00*	173.10@.00	173.10	7	55
7	174.20@.00	174.20	172.50A	172.50A	172.50	2	52
8	175.00@174.90	175.90B	174.80	175.90B	175.90	5	50
12	176.80@.70	177.40B	176.00A	176.00B	176.00	4	48
13	176.80	177.20B	176.50A	176.50A	176.50	4	52
14	176.10	176.10	174.50A	175.50	175.50	6	52
15	174.50	175.00B	174.00A	174.10A	174.10	4	51
16	175.00	175.00	173.00A	173.50	173.50	5	51
19	173.50	173.50	172.50	172.50	172.50	30	64
20	172.00	173.00B	*170.70A	170.70A	170.70	37	75
21	172.00	172.00	*168.50A	168.50A	168.50	5	78
22	168.30	169.50B	*167.50A	168.00B	168.00	10	80
23	169.00	169.50B	167.60A	167.60A	167.60	7	79
26	170.50	170.50	*167.40A	169.50A	169.50	1	77
27	170.00	170.80B	168.00A	168.00A	168.00	6	76
28	167.00	167.00	*164.10A	164.10A	164.10	25	70
29	164.30	168.50B	164.30	168.50B	168.50	5	71
30	167.40	167.50B	167.10A	167.10A	167.10	8	72
				IN MAY			
3	166.00	166.10	165.00A	165.00A	165.00	4	71
4	164.70	164.70	*164.00A	164.00A	164.00	2	77
5	166.50	166.50	164.10	164.10A	164.10	9	73
6	166.00	166.50B	165.70	166.50B	166.50	10	72
7	167.50@166.50	169.00B	166.50	169.00B	169.00	25	82
10	168.50	168.70B	167.50A	168.70B	168.70	3	81
11	169.40	170.60	168.00A	169.50@.00	169.20	29	86
12	170.90@171.00	171.60	166.50A	166.80	166.80	14	85
13	167.00	167.20	166.80	167.00B	167.00	11	86
14	168.00	169.00	166.50	169.00B	169.00	10	87
17	169.80	169.80	166.00	166.00	166.00	9	90
18	166.00	167.10B	165.50	165.50	165.50	11	89
19	167.00	168.00	167.00	167.50B	167.50	6	89
20	.....	168.50B	.....	168.50B	168.50	1	90
21	168.50	169.30B	168.50	169.30B	169.30	15	93
24	.....	.....	168.10A	169.00A	169.00	.....	93
25	168.50	169.20B	167.60	169.20B	169.20	16	96
26	169.30	171.90	169.30	171.60B	171.60	32	107
27	171.50	172.10	171.00A	171.30A	171.30	11	111
28	171.50	172.30B	170.00A	170.00A	170.00	5	116
				IN JUNE			
1	169.60	169.60	165.70A	165.70A	165.70	8	121
2	165.60@.50	166.00B	*164.00	164.10	164.10	14	123
3	163.50	164.00B	*160.10A	160.10A	160.10	18	130
4	159.00@158.70	159.00	**155.10*	155.10@156.00B	155.60	23	128
7	157.00	*160.60*	157.00	160.50B	160.50	10	123
8	161.00	161.70B	159.50	160.50B	160.50	4	121
9	160.50	162.50B	160.50	162.50B	162.50	1	120
10	164.00	164.10	160.90A	160.90A	160.90	13	121
11	161.50	164.00	159.50	162.00A	162.00	8	123
14	160.00	160.00	157.10	157.40	157.40	23	116
15	157.00	157.50	*153.50A	154.00B	154.00	14	113
16	154.60	156.60B	154.30A	154.30A	154.30	7	111
17	154.20	155.00B	*152.00	152.00A	152.00	15	108
18	153.00	153.30	*147.70	148.10B	148.10	64	126
21	148.40	149.00	146.80	149.00	149.00	40	138
22	149.50	152.00B	149.50	151.00B	151.00	14	134
23	150.70	151.80	149.50	151.00B	151.00	15	138
24	152.50@.00	152.50	149.00	149.50B	149.50	14	139
25	149.00	149.00	147.10	148.90B	148.90	43	144
28	147.50	149.00B	147.50	149.00B	149.00	5	142
29	.....	150.50B	.....	150.00B	150.00	.....	143
30	152.10	153.00B	151.00	151.00	151.00	10	143

RANDOM LENGTH LUMBER FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	151.60	152.50B	151.20	151.90A	151.90	11	145
2	152.00	152.50B	151.60A	152.00@.50B	152.20	6	142
6	153.00	153.00	151.00A	151.50B	151.50	2	143
7	150.40	151.00	149.50	151.00	151.00	11	148
8	151.60	152.00B	150.30A	151.50A	151.50	5	148
9	153.00	*156.50B*	153.00	156.50B	156.50	35	154
12	158.00	159.40B	157.20	159.40B	159.40	18	143
13	158.00@157.50	158.90	157.50	157.50A	157.50	20	150
14	....	158.00B	156.30A	158.00B	158.00	....	150
15	158.30	159.70	158.00A	159.20@158.90A	159.00	25	154
16	160.40	163.00	160.40	162.40@161.00A	161.70	66	159
19	163.00@.50	163.50	159.50	160.20@159.60	159.90	13	166
20	159.50	159.50	156.30	156.40	156.40	29	162
21	157.80	158.20B	157.10	158.00	158.00	8	163
22	157.20	157.50	156.90A	157.50	157.50	12	158
23	157.40	157.90B	156.30	157.90B	157.90	30	173
26	156.00	157.30	155.00	155.50@.00	155.30	75	170
27	154.80	155.30	154.20	154.80@.20	154.50	21	180
28	152.60	154.00	152.50	153.50@.00	153.30	23	169
29	155.00@.20	155.20	151.30	153.00@152.60A	152.80	43	164
30	....	....	152.00A	152.60A	152.60	3	156
IN AUGUST							
2	155.00	156.00	154.00	156.00@154.40	155.20	33	152
3	154.90	154.90	153.00	153.20A	153.20	8	151
4	152.60	153.80B	152.00	153.20	153.20	14	157
5	....	154.00B	153.00A	154.00B	154.00	....	157
6	153.60	154.50B	153.60	154.00B	154.00	2	157
9	153.40	153.50B	150.80A	150.80A	150.80	31	161
10	152.00	152.00	149.80	150.00A	150.00	47	166
11	149.00	150.60B	148.50	148.50	148.50	6	166
12	149.50	149.70B	149.20	149.50B	149.50	2	165
13	150.00	150.00	147.00	147.00@148.40B	147.70	8	168
16	150.00	151.30	149.00	149.00	149.00	30	175
17	150.00	151.00	148.50	148.50	148.50	18	179
18	153.50@.50B	*153.50*	153.50	153.50B	153.50	7	183
19	154.00	155.00	151.80A	155.00@154.00A	154.50	58	205
20	155.70	158.50	155.50	158.50@157.00A	157.70	76	216
23	158.00	*162.70*	157.30	162.70@161.50A	162.10	79	245
24	163.90@.50	165.20	162.80	163.50@162.80	163.10	105	267
25	163.00	163.00	160.30	162.50@161.10A	161.80	76	282
26	162.00	163.50	161.00	161.40@.00	161.20	49	302
27	160.30	160.50B	158.30	160.00@159.20	159.60	114	321
30	158.50	159.00	157.50	159.00@158.00A	158.50	25	327
31	158.00	159.70B	158.00	158.50@159.50	159.00	61	328
IN SEPTEMBER							
1	159.50	161.00B	158.50	159.50@158.50	159.00	24	323
2	159.50	160.00	158.50A	159.20@160.00	159.60	14	322
3	158.30	162.30	158.30	159.50	159.50	38	323
7	162.00	162.30	159.50	159.50	159.50	32	330
8	159.50	160.30	157.50	159.50A	159.50	44	331
9	159.00	159.50	158.50	158.50	158.50	40	340
10	157.00@156.80	157.10	155.40	155.40	155.40	144	425
13	156.30	158.00	156.00	158.00@157.60A	157.80	92	444
14	158.50	159.50B	156.40	156.40	156.40	27	445
15	156.70	156.80B	155.50	155.60	155.60	47	482
16	156.50	157.40	155.40A	155.90A	155.90	28	482
17	155.00	156.00	154.90	155.20A	155.20	46	490
20	155.00	155.50	153.80	153.80	153.80	32	493
21	154.50	154.80B	153.10	154.20@153.10	153.70	34	485
22	156.00	157.20	155.00	155.30B	155.30	107	527
23	155.30	155.80	154.60	154.80A	154.80	25	520
24	155.30@.00	155.30	154.10	154.20	154.20	28	526
27	155.40	155.40	154.20A	155.10@154.30A	154.70	5	521
28	154.50	155.70	154.10	154.90	154.90	48	525
29	154.30	154.60	151.00	152.00@151.00	151.50	184	554
30	151.20@.10	151.80	150.20	150.40@.50	150.50	84	579

RANDOM LENGTH LUMBER FUTURES PRICES

MARCH 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	152.60	152.80B	152.00	152.00	152.00	55	594
4	150.50@.10	151.00	149.10	151.00@150.70	150.90	92	573
5	151.40	152.70B	150.90	152.10@.50	152.30	49	587
6	152.90@153.00	157.00	152.60	156.00@.50	156.20	125	608
7	158.50@.60	161.20	158.30	161.20	161.20	209	683
8	163.00@.10	163.10	158.40	160.00@161.50	160.80	197	666
11	162.10@.60	165.80	162.10	165.60@.80	165.70	277	786
12	166.00	166.00	163.50	164.50@.70	164.60	207	797
13	163.90	168.90	162.50	168.70@.90	168.80	229	865
14	167.80@.90	171.80	167.00	168.80A@167.80	168.30	306	859
15	167.70@.00	168.00	165.70	166.40@.20A	166.30	200	880
18	167.00	169.30	166.50	168.00@.40	168.20	98	888
19	169.10@.30	172.50	169.10	170.00@169.10	169.50	311	987
20	168.30@.00	168.60	164.50	165.00@164.50	164.80	348	1057
21	166.00	168.50	163.60	164.70A@.00	164.40	350	1088
22	165.00@.20	166.70	164.80	166.10@165.80	165.90	178	1104
25	162.20@.00	163.20	161.30	161.80@.30	161.60	252	1080
26	162.80@.50	163.00	161.20	162.70@163.00	162.80	187	1111
27	163.50@.70	164.40B	162.70	163.70@162.70	163.20	125	1138
28	164.20	166.20	164.00	166.00A@165.70	165.80	192	1140
29	167.60@.80	170.80	166.40	170.50@.80	170.60	445	1235

IN NOVEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	172.00@.50	174.20	169.50	172.50@169.50	171.00	552	1407
2	171.90@172.00	174.90	169.80	171.50@172.50	172.00	373	1528
3	174.70@.50	174.70	171.50	172.30@171.50	171.90	476	1591
4	174.80@175.00	176.90	173.60	176.90B	176.90	442	1653
5	177.50@.20	180.70	177.20	179.40@.00	179.20	491	1703
8	177.20@.00	178.00	176.20	177.20@178.00	177.60	388	1770
9	176.90	176.90	174.80	175.00@.40	175.20	641	1856
10	175.20@.40	176.40	172.50	172.80@.50	172.70	558	1923
11	172.30@.00	174.50	171.00	174.50@173.50	174.00	436	2000
12	175.50@.80	179.00	175.20	179.00@.00B	179.00	645	2165
15	179.40@.20	179.50	175.80	177.30@.00	177.20	685	2133
16	175.00@174.60	177.70	173.80	177.00@.40	177.20	591	2176
17	179.50@.00	180.50	178.30	180.00@.50	180.20	664	2376
18	179.50@.80	181.50	178.70	180.50@179.50	180.00	753	2471
19	182.00@181.80	182.50	179.30	180.50@181.00	180.70	642	2455
22	181.70@.90	181.90	178.30	179.00	179.00	510	2484
23	177.50	178.70	176.50	176.70@.50	176.60	681	2453
24	176.10	177.90	175.80A	177.80@.70	177.70	425	2478
26	178.00	182.60	177.50	182.40@.60	182.50	679	2529
29	182.50@.70	183.70	180.30	181.00@180.30	180.70	652	2564
30	180.30	181.30	178.00	178.30@.00	178.20	798	2571

IN DECEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	179.50@.30	180.70	176.50	178.00@177.50	177.80	953	2709
2	178.60@.50	179.60	176.50	177.30@178.20	177.80	614	2796
3	178.50	178.90	177.50	177.50@178.00	177.80	637	2856
6	175.00@174.30	175.80	173.30	173.30@.50	173.40	1538	2958
7	175.00@174.80	176.40	173.70	176.30@.10	176.20	1191	3135
8	175.50@.30	176.90	174.50	175.40@.50	175.50	868	3265
9	175.30@.50	180.50	174.20	180.50@.50B	180.50	970	3293
10	181.00@180.50	181.50	178.20	178.50@.20	178.40	1136	3279
13	179.80	182.80	179.00	182.70@.50	182.60	1035	3443
14	186.00@.10	186.10	180.60	181.00@180.60	180.80	1978	3277
15	181.20@.40	182.70	180.00	182.50@.00	182.20	1227	3564
16	182.50	183.40	181.20	183.00@182.80	182.90	648	3533
17	185.70@.90	186.00	183.20	183.40@.20	183.30	1260	3704
20	182.80@.50	183.40	181.00	181.20@.00	181.10	837	3718
21	181.60	182.90	181.40	182.40@.00	182.20	402	3760
22	184.00@.40	184.80	183.00	184.00@183.00	183.50	884	3796
23	183.30@.20	185.00	182.50	183.40@182.50	183.00	606	3907
27	185.00	185.80	183.20	185.30@.00	185.10	730	3912
28	184.50	185.60	183.90	184.30@.10	184.20	747	3872
29	184.20	184.80	182.30	182.50@.70	182.60	824	3947
30	182.30	183.60	181.50	181.60@.50	181.60	671	3928
31	182.60	183.70	181.60	182.50@.00	182.20	345	3955

RANDOM LENGTH LUMBER FUTURES PRICES

MAY 1983 FUTURES CONTRACT
IN JANUARY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
19	201.50	#202.00B	*200.00A	201.00B	201.00	1	1
20	....	#202.20B	200.50A	200.50A	200.50	....	1
21	....	#203.00B	*199.50A	199.50A	199.50	....	1
22	198.00	198.20B	*196.00A	196.00A	196.00	2	3
25	194.00	195.00B	*191.50A	194.60A	194.60	2	3
26	....	196.00B	194.50A	194.50A	194.50	....	3
27	....	196.00B	*191.00A	192.00A	192.00	....	3
28	193.50	193.50	193.00A	193.50B	193.50	1	2
29	194.50	197.40B	194.50	197.40B	197.40	8	9
IN FEBRUARY							
1	194.00	194.00	*192.40A*	193.00A	193.00	13	20
2	....	....	....	193.00N	193.00	....	20
3	194.50	194.50	194.00A	194.40B	194.40	1	20
4	196.00	197.20	195.70A	196.50A	196.50	5	25
5	195.50	197.40B	195.50	197.40B	197.40	6	30
8	....	....	195.00A	195.00A	195.00	....	30
9	195.00	195.00	193.00	193.80B	193.80	8	35
10	192.00	193.80B	192.00	193.80B	193.80	2	37
11	....	....	193.50A	193.50A	193.50	....	37
12	....	193.90B	....	193.90B	193.90	....	37
16	....	....	*190.50A	191.50A	191.50	....	37
17	....	193.80B	....	193.80B	193.80	....	37
18	....	....	193.50A	193.50A	193.50	....	37
19	....	....	192.50A	192.50A	192.50	....	37
22	....	195.50B	....	195.50B	195.50	....	37
23	....	....	194.00A	194.00A	194.00	....	37
24	....	....	192.80A	192.80A	192.80	....	37
25	....	....	192.50A	192.80N	192.80	....	37
26	....	....	*190.00A	190.00A	190.00	....	37
IN MARCH							
1	191.00	191.50B	*189.50A	189.50A	189.50	4	39
2	189.10	190.50B	*189.10	189.50A	189.50	1	39
3	190.00	190.00	189.50	190.00B	190.00	9	41
4	191.10	191.10	*188.50A	188.50A	188.50	2	41
5	187.00	187.40	*186.00A	186.00A	186.00	7	42
8	186.00	186.50B	**181.00*	182.50A	182.50	13	48
9	....	....	182.00A	182.00A	182.00	....	48
10	....	185.50B	....	183.80B	183.80	....	48
11	183.40	184.50B	181.00A	181.00A	181.00	12	50
12	....	182.80B	*180.00A	180.50A	180.50	....	50
15	182.70	182.70	181.00A	181.00A	181.00	4	48
16	185.00	185.70	184.50	185.30B	185.30	11	54
17	....	187.50B	....	187.50B	187.50	....	54
18	189.00	189.10B	189.00	189.00	189.00	4	56
19	190.00	190.00	188.90	189.90	189.90	15	56
22	190.20	191.80B	190.20	191.80B	191.80	14	63
23	192.00	192.70	190.50A	190.50A	190.50	15	70
24	190.00	190.50B	190.00	190.50B	190.50	1	69
25	191.00	191.40B	189.00A	189.00A	189.00	17	66
26	....	....	185.50A	185.50A	185.50	....	66
29	184.00	186.20B	184.00	185.50A	185.50	6	70
30	187.30	187.30	185.70A	186.00B	186.00	2	72
31	185.50	185.50	185.00A	185.00A	185.00	3	75

RANDOM LENGTH LUMBER FUTURES PRICES

MAY 1983 FUTURES CONTRACT
IN APRIL 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	185.80B	184.50A	185.50B	185.50	....	75
2	185.50	185.50	184.80A	184.80A	184.80	1	75
5	186.30	186.50B	185.00	185.00	185.00	13	77
6	183.00	185.30B	180.20A	180.20A	180.20	2	77
7	....	181.10B	180.00A	180.00	180.00	....	74
8	181.50	182.90B	181.30A	182.90B	182.90	1	75
12	184.00	184.40B	183.00A	183.00B	183.00	1	75
13	184.00	184.00	183.50A	183.50A	183.50	1	76
14	184.00	184.00	182.60A	182.60A	182.60	6	72
15	182.50	182.50	181.10A	181.10A	181.10	2	73
16	....	....	*179.80A	180.40A	180.40	....	73
19	180.50	182.50	180.00A	180.00A	180.00	17	71
20	178.50	180.00B	*178.00A	178.00A	178.00	....	71
21	180.00	180.00	*177.00A	177.00B	177.00	11	73
22	177.50	177.50	*176.10A	176.10A	176.10	2	69
23	177.00	177.20B	176.20A	176.20A	176.20	2	69
26	177.00	177.20B	*176.00	177.20B	177.20	10	73
27	177.00	177.50B	176.10A	176.10A	176.10	1	77
28	175.00	175.00	*172.00A	172.00A	172.00	20	80
29	172.60@.50	174.80B	172.60	174.80B	174.80	12	85
30	....	....	174.00A	174.00A	174.00	....	85

IN MAY

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
3	172.50	172.50	*171.00A	171.00A	171.00	8	83
4	171.00	171.20B	*170.00A	170.50A	170.50	2	84
5	171.70B	172.70B	170.60A	170.60A	170.60	1	84
6	173.30	173.80B	172.80A	173.30	173.30	4	86
7	174.00	176.80B	174.00	176.00A	176.00	5	89
10	....	....	174.50A	175.50A	175.50	....	89
11	....	177.50B	174.00A	174.00A	174.00	....	93
12	177.00	177.20	171.50	171.50	171.50	9	96
13	173.00	173.00	171.50	172.50B	172.50	30	115
14	172.50	175.00B	172.00A	174.50A	174.50	....	114
17	172.70	174.60B	171.30A	171.50B	171.50	7	112
18	171.00	173.10B	170.80A	170.80A	170.80	17	105
19	170.00	173.40	171.00	173.40	173.40	9	103
20	....	174.60B	173.00A	174.00B	174.00	....	103
21	174.00	175.50	174.00	175.00	175.00	19	110
24	174.00	174.40B	173.40A	174.40B	174.40	3	112
25	173.50	175.00	173.00	175.00	175.00	16	115
26	175.50	177.50	175.50	177.50	177.50	22	126
27	177.50	178.40	176.80A	177.30A	177.30	18	130
28	175.50	177.80B	175.50	175.50	175.50	1	129

IN JUNE

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	....	170.60A	170.60A	170.60	....	131
2	170.50	171.00B	*169.30A	169.30A	169.30	4	130
3	170.00	170.00	*164.30	164.30	164.30	20	140
4	163.30	164.40B	*160 30	160.30	160.30	13	144
7	165.20	165.30B	165.00A	165.30B	165.30	4	146
8	166.40	167.20B	166.40	166.50	166.50	2	148
9	....	168.50B	....	168.50B	168.50	....	148
10	169.70	170.00B	167.00A	167.50A	167.50	2	150
11	....	169.00B	167.00A	168.50B	168.50	....	150
14	164.00	164.00	163.50A	163.50A	163.50	2	149
15	161.00	161.00	160.50	160.50	160.50	2	147
16	163.50@.60	163.60	*160.00A	160.50B	160.50	3	149
17	161.00@160.90	161.50B	*158.10A	158.10A	158.10	4	147
18	156.80	157.00	*153.50	154.00	154.00	32	135
21	153.70	154.50B	*152.80	153.50	153.50	10	131
22	154.00	156.30B	154.00	156.00	156.00	16	124
23	155.20	156.50B	154.10	156.00B	156.00	18	126
24	157.00	157.50B	154.00	154.00@155.00B	154.50	8	133
25	154.00	154.50B	*152.50	153.50	153.50	36	133
28	154.00	154.00	*151.50	154.00B	154.00	26	135
29	154.80	156.00B	154.80	155.00B	155.00	2	136
30	157.00@.40	158.00	156.50A	157.00	157.00	13	134

RANDOM LENGTH LUMBER FUTURES PRICES

MAY 1983 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	157.70	159.00B	156.30A	158.00	158.00	6	141
2	....	158.50B	157.50A	157.80A	157.80	....	135
6	158.20	159.00B	156.00A	157.10	157.10	9	138
7	155.60	156.00B	155.60	155.60	155.60	2	138
8	157.00	157.00	154.80	156.50B	156.50	14	138
9	158.20@.80	*161.50B*	158.00	161.50B	161.50	40	149
12	161.50	163.00B	161.50	163.00B	163.00	21	165
13	163.00@162.90	163.00	161.50	162.90B	162.90	22	167
14	161.00	162.50	161.00	162.50@.00A	162.30	2	158
15	162.30	164.00	162.30	163.50@164.00B	163.70	3	158
16	164.70@165.10	167.50	164.70	167.50@166.00A	166.70	8	156
19	168.50	168.50	165.00A	165.00A	165.00	5	160
20	165.40@.50	165.50	161.70A	162.30A	162.30	10	154
21	163.80	163.80	163.00	163.50B	163.50	3	156
22	164.00	164.00	162.70	162.70@163.50B	163.10	13	164
23	163.00	163.20B	162.50A	162.90A	162.90	10	171
26	161.00	161.70	159.80A	160.50@.90B	160.70	9	175
27	160.00	160.10B	159.80A	159.80A	159.80	12	181
28	158.80	159.00B	158.00A	159.00B	159.00	3	182
29	158.50	159.80B	157.50A	158.40A	158.40	1	182
30	159.00	159.00	158.00	158.60B	158.60	11	182
IN AUGUST							
2	160.00	161.50B	160.00	161.50B	161.50	15	183
3	161.00	161.00	159.00A	160.00	160.00	8	184
4	159.20	160.40B	157.80A	160.40B	160.40	20	195
5	159.60	160.50B	159.40	159.50B	159.50	10	194
6	160.00	160.40	159.50	160.40B	160.40	29	218
9	159.60	159.60	158.50A	158.50A	158.50	8	216
10	158.00	158.20B	157.00	157.50@158.20B	157.90	7	212
11	157.00	157.80B	156.00	157.00A@156.00	156.50	15	216
12	156.20	157.30B	156.20	157.20B	157.20	2	218
13	157.50	157.50	155.20	156.50B	156.50	3	218
16	158.50	158.50	156.80A	157.50@.30A	157.40	55	201
17	156.50	158.00	156.50	156.80A	156.80	11	203
18	161.60	*161.80*	160.00	161.80B	161.80	20	210
19	161.50	161.50	160.00A	161.50	161.50	18	214
20	163.00	163.90B	161.50	163.90B	163.90	22	225
23	163.50	168.80B	163.00	168.70	168.70	35	230
24	169.00	170.90	169.00	170.00@169.00A	169.50	27	237
25	168.80	168.80	166.50	168.50@.00	168.30	16	242
26	168.90	169.30	168.00A	169.30	169.30	46	234
27	168.00	168.00	166.00	166.00@.90	166.50	28	227
30	165.50@.20	166.00	164.00	166.00@165.00	165.50	16	225
31	166.00	166.50	164.50	166.50@165.50A	166.00	29	221
IN SEPTEMBER							
1	165.30	167.50B	164.50	165.00	165.00	12	223
2	165.50	165.50	164.50A	165.00@.10	165.00	16	231
3	166.80	169.30	166.00	166.50@.00	166.20	14	232
7	167.50	168.50B	166.20	167.00	167.00	31	233
8	165.80	167.60	165.50	167.60	167.60	14	238
9	168.00	168.00	166.30	166.50@.70	166.60	8	236
10	166.00	166.00	163.50	164.00B@165.00	164.50	30	217
13	164.60	166.20	164.00A	166.20	166.20	12	220
14	166.00	167.20B	165.00A	166.00@165.00A	165.50	3	218
15	164.20	166.00B	164.00A	164.50@165.50	165.00	7	217
16	165.40	165.50	163.40A	164.70B@165.20	165.00	7	221
17	164.50	164.50	163.70	164.50@.10A	164.30	18	225
20	163.90	164.00	162.50A	163.00B@164.00	163.50	8	222
21	162.80	163.80	162.80	163.80@.10A	163.50	5	222
22	166.00	166.10B	163.20A	164.50@163.20A	163.80	23	225
23	163.50	164.50	163.50	164.50@.00A	164.20	4	223
24	163.40@.30	164.40	163.30	164.40@163.40	163.90	3	220
27	....	164.30B	163.60A	163.90N	163.90	....	220
28	164.00	164.50	163.50	164.00@163.50	163.80	6	219
29	163.50	164.00	161.30A	162.00	162.00	18	214
30	159.80	159.90	157.60	159.50@.90	159.70	35	214

RANDOM LENGTH LUMBER FUTURES PRICES

MAY 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	160.50	160.50	159.50	160.10@159.50A	159.80	30	223
4	158.00	160.00B	157.90	159.50@160.00B	159.80	13	234
5	159.50	161.80	159.10	161.70	161.70	9	233
6	162.50	166.00	162.50	166.00	166.00	16	229
7	167.80	170.00	167.80	170.00@169.60A	169.80	75	249
8	170.00@.60	171.20	167.70	168.80@169.40	169.10	52	260
11	171.30	174.00	171.30	174.00	174.00	109	299
12	174.00	174.50	172.00	173.90	173.90	33	303
13	172.50	176.80	171.50	176.70B@.80	176.70	82	359
14	176.80	178.90	175.30	178.00	178.00	81	366
15	176.40	177.50B	174.50A	175.70	175.70	26	378
18	175.00@174.70	177.50	174.70	177.50@.00A	177.20	26	379
19	177.60	179.60	176.50	178.50@176.60A	177.50	79	418
20	176.50@.10	176.50	172.60	174.00@173.00A	173.50	75	442
21	174.30	176.00B	172.30	173.90@172.50A	173.20	58	441
22	174.30	176.00	173.40	176.00@175.00A	175.50	83	446
25	172.50@.30	172.50	*170.50*	171.50	171.50	85	436
26	171.00	172.60	170.70	172.50@171.00A	171.70	65	461
27	172.80	173.30	171.50	173.30	173.30	29	463
28	173.50@.90	175.20	173.50	175.20@174.80A	175.00	124	504
29	175.50	179.50	175.50	178.00@179.50	178.70	90	535

IN NOVEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	179.20@.40	181.30	179.20	181.00	181.00	130	575
2	181.40	183.00	178.60	182.00@183.00	182.50	169	576
3	183.30@.40	184.50	180.70	180.70@181.50	181.10	105	588
4	184.00@.50	*186.10*	182.60	186.10B	186.10	91	620
5	185.00@.20	188.90	185.00	187.20@.70	187.40	207	648
8	187.00	187.00	185.00	186.00@185.50	185.80	110	671
9	185.50	185.50	182.20	182.70@.20	182.50	150	660
10	183.00	184.40B	181.00	182.00@181.10A	181.60	111	669
11	181.30@.10	183.50	180.20	182.50@183.50	183.00	116	680
12	183.60	*188.00*	183.60	187.60B@188.00	187.80	199	734
15	186.00	186.90	183.80	186.00	186.00	74	739
16	184.80	185.70	182.30	185.60@.30	185.50	155	772
17	187.00@.50	188.60	186.60A	188.60	188.60	138	823
18	188.30@.50	190.30	187.20	190.30@.10	190.20	223	891
19	190.80@.90	191.70	188.40A	190.00@188.70A	189.40	224	967
22	189.90	189.90	186.20	186.50@.20	186.40	157	982
23	185.40	187.00	185.00	185.00	185.00	96	983
24	184.90	185.50	183.70	185.00@.40	185.20	148	1054
25	185.00	190.00	185.00	189.40@.00A	189.20	136	1125
29	189.80	190.50	187.80A	188.80@.50	188.70	269	1103
30	188.30@.20	189.00	185.70	186.10@185.70	185.90	111	1120

IN DECEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	186.50@.30	187.50	184.20	184.50A	184.50	115	1134
2	185.10	186.90	184.50	185.30@.20	185.20	122	1164
3	186.80@187.00	188.20	185.30	185.50@.30	185.40	130	1210
6	185.00	185.00	181.10	181.10	181.10	177	1243
7	181.70@.50	185.00	181.50	184.00@.50	184.20	112	1276
8	184.00@183.80	185.90	183.10	184.00	184.00	115	1309
9	184.70	*189.00*	183.70A	189.00@.00B	189.00	209	1321
10	189.60	189.70	187.30	187.30@.50	187.40	309	1288
13	188.00	191.30	188.00	191.00@190.80	190.90	191	1262
14	194.00@.50	194.50	189.00	190.30@189.00	189.70	474	1260
15	191.00	191.30	188.60	190.10@.80	190.40	151	1259
16	190.70	191.60	189.70	191.60@.00	191.30	119	1288
17	193.80@194.10	194.20	191.20	191.50@.20	191.30	129	1205
20	191.00	191.50	189.90	191.00@190.10	190.60	112	1253
21	191.50@.60	192.10	190.40	192.10@191.30	191.70	66	1266
22	192.90@193.20	193.90	192.30	192.80@.60	192.70	165	1365
23	192.70@.50	193.90	192.50	192.90@.70	192.80	101	1374
27	193.80@194.40	195.30	193.00	194.70@193.50	194.10	124	1396
28	193.50@.10	194.80	192.20	192.60@.20	192.40	203	1433
29	193.00	193.50	190.10	190.70@.10	190.40	140	1464
30	191.80@192.30	192.30	189.50	190.00@.50	190.30	240	1500
31	191.00@.40	191.70	189.90A	191.20@190.80	191.00	58	1512

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1983 FUTURES CONTRACT
IN MARCH 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
18	195.00	#195.00	*195.00	195.00	195.00	1	1
19	195.00	#195.00	*194.50A	195.00	195.00	5	6
22	....	#198.00B	....	198.00B	198.00	....	6
23	200.00	#200.50	199.50A	199.50A	199.50	4	10
24	200.00	200.00	199.00A	200.00	200.00	2	11
25	201.00	#201.00	198.00A	198.00A	198.00	11	15
26	196.50	196.50	194.50A	194.50A	194.50	6	16
29	....	195.30B	*193.50A	194.50N	194.50	....	16
30	196.00	196.00	194.50A	194.50B	194.50	1	17
31	193.80	193.80	193.50A	193.50A	193.50	3	20
				IN APRIL			
1	....	194.20B	*193.30A	194.00B	194.00	1	20
2	....	....	*193.10A	193.10A	193.10	....	20
5	194.30	194.70	193.80A	194.00	194.00	3	20
6	191.50	194.30B	*189.00	189.00@.00A	189.00	7	26
7	....	190.00B	*188.50A	188.50A	188.50	....	26
8	190.00	191.50B	189.40A	191.40B	191.40	2	28
12	192.00	192.50	191.50A	191.50B	191.50	4	30
13	....	192.50B	....	192.00B	192.00	....	30
14	192.20	192.50B	190.50	190.50	190.50	5	33
15	189.50	190.00B	189.10A	189.10A	189.10	2	34
16	....	....	*188.00A	188.40A	188.40	....	34
19	188.50	191.00	188.50	189.00A	189.00	7	40
20	189.00	189.00	*187.00A	187.00A	187.00	16	45
21	....	188.00B	*185.00A	185.00A	185.00	1	45
22	184.00	185.50B	*184.00	184.00	184.00	1	46
23	185.50	185.50	*183.50A	183.50A	183.50	7	51
26	....	185.00B	*183.00A	184.50B	184.50	....	51
27	186.00	186.00	184.60A	184.60A	184.60	1	51
28	183.50	183.50	*180.50	181.00@180.50	180.80	19	65
29	181.50	184.40B	181.50	184.40B	184.40	10	73
30	183.90	183.90	183.30A	183.30A	183.30	6	69
				IN MAY			
3	182.30	182.30	181.00A	181.00A	181.00	1	69
4	180.00	180.00	*178.00A	178.50A	178.50	4	70
5	179.50	180.30B	178.30A	178.70B	178.70	10	77
6	179.80	180.30	179.80	180.30	180.30	10	79
7	182.00	182.40B	181.20A	182.40B	182.40	8	85
10	182.00	182.50B	180.90A	182.50B	182.50	6	90
11	181.00	185.50	180.50	182.00@180.50	181.30	9	95
12	181.00	182.50B	*176.30	178.00@176.30	177.20	8	99
13	178.50	180.00B	178.00	180.00	180.00	14	112
14	180.00	182.00B	179.80A	182.00B	182.00	6	110
17	179.50	182.50B	*179.00	179.00	179.00	9	110
18	179.00	180.10B	178.10A	178.30B	178.30	9	118
19	178.50	179.50	178.50	179.00A	179.00	2	124
20	....	181.00B	....	180.50B	180.50	1	125
21	183.00	183.00	182.10A	182.10A	182.10	5	128
24	182.00	182.00	180.10	181.40B	181.40	6	126
25	181.00	182.00B	180.50	182.00B	182.00	11	129
26	183.50	183.80	183.40A	183.80	183.80	17	131
27	183.00	184.50	183.00	183.60A	183.60	19	139
28	183.00	183.80B	182.50A	183.50@182.50A	183.00	3	140

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1983 FUTURES CONTRACT
IN JUNE 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	182.80	182.80	*178.00A*	178.00A	178.00	2	139
2	177.00@176.90	179.00	176.90	178.00@179.00	178.50	5	138
3	178.00	179.00B	*173.50A	173.50A	173.50	9	138
4	172.50	173.80B	*168.60A	168.60A	168.60	2	134
7	170.00	*173.60B*	170.00	173.00A	173.00	4	144
8	173.70@.00	174.50B	173.00	174.50B	174.50	3	149
9	174.70B	175.80B	174.00A	175.80B	175.80	2	147
10	176.00	176.00	174.00A	174.50B	174.50	3	147
11	175.00	175.50B	175.00	175.50B	175.50	5	147
14	170.80@.50	170.80	*170.50*	170.50A	170.50	14	146
15	166.50	168.00B	*166.50	168.00B	168.00	1	143
16	....	170.50B	....	168.00N	168.00	2	145
17	....	170.00B	*165.00A	166.90A	166.90	....	145
18	167.00	167.00	*162.90	163.20A@.00	163.10	21	140
21	163.50	163.50	*159.50A	161.50B	161.50	13	142
22	162.00	162.50B	160.80A	161.50B	161.50	16	129
23	161.60	162.50B	*159.20	162.00B	162.00	9	130
24	162.00	162.00	159.50A	160.50B	160.50	7	133
25	158.50	161.40B	*158.00A	160.50A	160.50	24	143
28	160.40	161.50B	160.30A	161.50B	161.50	6	144
29	161.00	162.00	160.80A	161.50B	161.50	2	143
30	166.50	166.50	162.50	162.80B	162.80	4	142
				IN JULY			
1	....	165.50B	....	165.00B	165.00	....	133
2	165.50	165.80B	164.80A	165.00A	165.00	2	134
6	....	166.00B	162.00A	164.30A	164.30	....	136
7	....	....	162.70A	163.50A	163.50	....	136
8	164.00	164.00	161.00A	163.00B	163.00	3	139
9	164.00	*168.00*	164.00	168.00B	168.00	32	147
12	168.00	169.40B	167.50	169.00@168.50A	168.70	47	182
13	....	....	167.80A	167.80A	167.80	....	182
14	168.50	168.50	166.50A	168.50B	168.50	3	179
15	170.00	170.00	169.00	169.50A	169.50	1	180
16	172.60	173.40	172.00A	172.00A	172.00	2	181
19	174.80	174.80	168.00	170.00@168.00	169.00	10	182
20	168.00	169.50	166.80A	168.00@167.20A	167.60	24	194
21	168.50	170.00	168.30A	169.90@168.50A	169.20	5	194
22	170.00	170.00	168.00A	170.00@169.00A	169.50	1	195
23	171.00	171.00	168.60A	171.00@169.50A	170.20	1	197
26	166.30	169.00	166.20A	169.00@168.20A	168.60	2	197
27	167.00	168.00	167.00	168.00@167.70A	167.90	2	199
28	166.10	167.50	166.00A	167.50@166.60	167.10	4	198
29	167.00	167.00	165.00A	166.90@165.00A	166.00	12	208
30	166.00	166.00	165.50A	166.00@165.70A	165.90	1	210
				IN AUGUST			
2	167.50	168.40B	167.50	168.40B	168.40	27	221
3	167.00	168.40	166.50A	168.40@.00A	168.20	3	223
4	167.50	169.00B	166.70A	167.90B	167.90	3	224
5	167.00	168.50B	166.80	168.00B	168.00	3	224
6	168.70	168.70	168.30	168.30	168.30	4	229
9	166.80	166.80	166.00	166.50A@.00	166.30	6	240
10	167.00	167.00	166.00	166.00@.50	166.30	5	240
11	164.70	166.30B	164.70	166.00B	166.00	31	238
12	....	166.20B	165.20A	166.20B	166.20	....	238
13	166.00	166.50B	164.00	165.50B	165.50	5	241
16	167.00	167.50B	165.00	166.00A@165.00	165.50	14	231
17	165.50	166.00B	162.00	164.00A@162.00	163.00	32	237
18	166.00	*168.00*	166.00	168.00B	168.00	20	244
19	168.00	169.00B	166.70A	169.00B	169.00	4	245
20	170.10	171.50	169.00	171.50	171.50	11	247
23	171.30@.00	176.00	170.80A	175.80B	175.80	15	253
24	175.50	177.00	174.00	174.00	174.00	20	260
25	174.90	175.00	173.00	173.50@.00	173.30	14	267
26	173.60@.30	176.00	173.30	176.00	176.00	9	269
27	175.00	175.00	*171.00*	172.00A@171.00	171.50	13	275
30	171.50	171.60B	170.50	171.00@170.50	170.80	7	280
31	170.00	172.50B	170.00	170.00@171.00	170.50	41	289

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1983 FUTURES CONTRACT
IN SEPTEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	172.00	173.00B	170.70	171.00@170.70	170.80	9	293
2	171.30	173.00	170.50	173.00	173.00	9	293
3	174.00	174.60	173.80A	174.10	174.10	8	292
7	175.00	176.50B	174.50	175.00	175.00	37	305
8	174.00	175.00	173.00	175.00	175.00	18	313
9	174.90	175.00	174.00	175.00@174.00A	174.50	13	314
10	173.50	173.50	172.00A	173.00	173.00	10	313
13	172.00	174.50	172.00	174.50@.10A	174.30	15	319
14	174.50	175.40B	173.20A	173.50	173.50	22	334
15	174.00	174.00	172.00	173.50@172.00	173.00	74	395
16	171.50	172.50	171.30A	171.50@172.50	172.00	15	410
17	171.60	172.00	171.00	171.20@.00	171.10	10	411
20	170.90	171.00	170.00A	170.90@171.00	171.00	2	411
21	171.50	171.80B	171.00	171.10@.50	171.30	8	413
22	173.50	173.80	172.80	173.00	173.00	16	421
23	172.80	172.90	171.80A	172.90@.60A	172.80	10	426
24	171.70	172.50	170.80	172.50@.00A	172.30	2	427
27	172.50	172.50	171.20A	171.90A	171.90	2	426
28	172.00	172.80	171.40A	172.80	172.80	6	428
29	172.90	172.90	168.20	169.80@.00A	169.40	29	443
30	168.50	168.60B	165.00	166.50@.90	166.70	46	449
				IN OCTOBER			
1	168.00	168.20B	166.20	167.50@.00A	167.20	25	450
4	165.50	167.00	165.50	167.00	167.00	14	455
5	167.00	170.00	166.50	170.00@169.50A	169.70	6	452
6	170.50	174.50	170.50	174.50@.30	174.40	20	461
7	175.00	178.80	175.00	178.80@.50	178.60	75	491
8	179.80	179.90B	176.00	179.40	179.40	65	522
11	180.00	183.00	179.80A	183.00	183.00	63	537
12	182.50	183.40B	181.00	181.80@.50	181.70	12	530
13	181.70	186.00	179.60	186.00	186.00	56	554
14	185.00	187.50	183.70	186.00	186.00	40	566
15	183.10	185.80B	183.10	184.00	184.00	17	569
18	184.40	186.20	184.40	186.20	186.20	5	570
19	186.00	187.50	184.50	186.00@185.50	185.80	57	593
20	183.50	183.70	181.20	182.30@181.20	181.80	29	601
21	182.00@181.50	185.00	181.00	182.00@181.10	181.60	25	611
22	183.30@182.90	184.40	182.30	184.40@183.00A	183.70	22	621
25	181.90@.50	181.90	179.30	179.30@180.90B	180.10	41	638
26	180.00	180.70	178.00	180.70@.00A	180.30	24	635
27	180.90@181.30	181.90	178.60	181.90	181.90	36	647
28	183.50	183.60	183.00A	183.50@.60	183.50	10	643
29	185.80	186.90	184.00	186.90	186.90	36	651
				IN NOVEMBER			
1	187.40	188.90	187.30	188.90	188.90	59	669
2	187.50	191.50	187.50	191.40@.50	191.40	44	679
3	191.50@.70	192.30	188.70	189.50@188.70	189.10	85	683
4	189.50	*194.10*	189.50	194.00@.10	194.00	62	696
5	194.00	196.00	193.50	195.00@194.50	194.70	95	705
8	193.70	194.20	193.00	193.90	193.90	118	774
9	192.00	192.00	189.80A	191.80	191.80	105	807
10	191.70	191.70	189.50A	190.30@.10	190.20	25	810
11	188.40	190.20	188.40	189.80@190.20	190.00	50	820
12	191.00	*195.00*	191.00	194.40@.50	194.40	120	860
15	193.00	193.90	190.70	193.10@.30	193.20	37	865
16	190.40	192.80	189.50	192.60@.50	192.70	83	891
17	194.40@.70	195.50	194.00	195.00	195.00	64	890
18	194.50@.70	197.80	194.50	197.40@.80	197.60	52	891
19	196.70	198.20	195.30	198.00@197.30	197.60	98	893
22	198.00	198.00	194.70	196.00	196.00	127	935
23	194.00@193.80	195.00	193.00	194.00	194.00	47	946
24	193.50	194.50	192.50	194.50	194.50	39	941
26	194.00	198.00	193.70	198.00	198.00	33	949
29	198.50	198.50	195.70A	197.50	197.50	56	957
30	196.10	196.50B	193.30	194.50	194.50	77	984

RANDOM LENGTH LUMBER FUTURES PRICES

JULY 1983 FUTURES CONTRACT
IN DECEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	194.50@.00	195.00	192.00	192.30@.00	192.20	65	393
2	193.00	194.00	191.80A	193.30	193.30	45	1007
3	194.20	195.00	193.20A	194.30@.80	194.50	66	1015
6	194.00	194.00	190.20A	191.30	191.30	55	1000
7	191.00	193.90	191.00	193.90	193.90	180	960
8	193.00@192.00	193.30B	191.80	193.00	193.00	32	932
9	193.50	197.40	192.50	197.20@.40	197.30	89	951
10	197.00	197.10	195.70	197.10	197.10	123	936
13	197.40@.70	199.20	196.00A	199.20	199.20	120	935
14	201.00@.50	#201.60	198.00	199.90@.00A	199.40	183	967
15	198.80	199.40	197.70	199.40	199.40	66	1013
16	199.00@198.80	201.00	197.80A	201.00@.50	201.20	80	1049
17	201.90	#202.30	200.00	201.20@.00	201.10	111	1076
20	199.50	200.50B	198.50A	199.50B@200.00	199.80	26	1053
21	198.60	199.90	198.60	199.90	199.90	18	1058
22	200.70@.90	201.20	200.00	200.50@.40	200.40	54	1102
23	200.30@.50	202.40	200.20	200.70@.50	200.60	114	1091
27	201.00@.20	#202.60	201.00	202.40@201.00	201.70	49	1091
28	202.00@201.80	202.60	200.50	200.50	200.50	88	1096
29	200.20	201.80B	199.30	199.70	199.70	48	1103
30	200.50	200.50	198.20	198.60@199.20	198.90	47	1098
31	199.00	200.50	198.40	200.50@199.80A	200.10	12	1101

SEPTEMBER 1983 FUTURES CONTRACT
IN MAY 1982

19	185.50	#187.00B	*185.50	185.50A	185.50	2	1
20	....	187.00B	....	185.50N	185.50	....	1
21	185.70	185.90B	185.60	185.90B	185.90	2	....
24	186.00	186.40B	185.50A	186.40B	186.40	1	1
25	186.00	#187.10B	186.00	187.10B	187.10	9	10
26	....	....	186.00A	186.00A	186.00	1	10
27	187.00	#187.90	185.60A	187.00A	187.00	6	15
28	187.90	187.90	187.00A	187.00A	187.00	1	15

IN JUNE

1	....	....	*182.00A	182.00A	182.00	....	15
2	181.10@.00	183.40B	*181.00	182.50B	182.50	2	16
3	184.00	184.00	*177.50A	177.50A	177.50	2	15
4	....	178.00B	*172.60A	172.60A	172.60	....	15
7	....	*177.60B*	....	177.60B	177.60	....	15
8	....	178.70B	....	178.70B	178.70	....	15
9	178.70	180.00B	178.70	180.00B	180.00	5	20
10	....	180.10B	178.00A	178.50A	178.50	....	20
11	179.50	179.50	179.00A	179.40B	179.40	3	20
14	....	....	*174.40A*	174.40A	174.40	....	20
15	....	....	*170.50A	171.20A	171.20	....	20
16	....	173.50B	....	171.20N	171.20	....	20
17	174.20	174.20	*169.00A	170.50B	170.50	2	22
18	167.50	167.50	*165.50A	166.50A	166.50	....	21
21	....	....	*163.50A	164.00A	164.00	2	23
22	164.00	166.00	164.00	166.00	166.00	6	19
23	....	....	165.50A	166.00N	166.00	1	18
24	165.50	165.50	163.80A	164.50B	164.50	5	17
25	....	....	*162.80A	164.50N	164.50	....	17
28	....	165.50B	163.90A	165.50B	165.50	....	17
29	164.50	165.00B	164.30A	165.00B	165.00	1	18
30	166.20	168.00B	166.20	167.00B	167.00	1	18

RANDOM LENGTH LUMBER FUTURES PRICES

SEPTEMBER 1983 FUTURES CONTRACT IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	168.00	169.50B	168.00	169.00A	169.00	1	19
2	....	169.50B	168.00A	169.00N	169.00	....	19
6	....	170.00B	165.00A	168.30A	168.30	....	19
7	....	....	166.50A	167.50A	167.50	....	19
8	....	....	164.20A	166.50A	166.50	....	19
9	168.00	*171.50B*	168.00	171.50B	171.50	8	24
12	170.00	171.30B	170.00	170.50A	170.50	31	52
13	....	....	170.00A	170.00A	170.00	....	52
14	170.50	171.80B	169.80A	171.00A	171.00	3	52
15	....	173.00B	....	173.00B	173.00	....	52
16	176.70	176.70	174.30A	176.00A	176.00	1	52
19	....	178.00B	173.00A	173.00A	173.00	....	52
20	172.40	172.50	171.50A	171.50A	171.50	2	54
21	172.50	173.00B	172.00A	172.50	172.50	1	53
22	....	173.50B	....	173.50B	173.50	....	53
23	....	174.00B	....	174.00B	174.00	....	53
26	173.00	173.00	170.00A	171.50B	171.50	3	55
27	....	....	170.00A	170.00A	170.00	....	55
28	168.00	169.50	168.00	169.50B	169.50	1	55
29	169.00	169.00	176.00A	167.50A	167.50	3	57
30	....	168.00B	167.40A	168.00B	168.00	....	57
IN AUGUST							
2	169.00	170.50	169.00	170.50	170.50	21	78
3	169.50	170.30B	169.30A	170.30B	170.30	3	80
4	169.50	171.00B	169.50	170.20B	170.20	2	81
5	169.20	170.80B	169.20	170.80B	170.80	4	81
6	170.50	171.00B	170.50	170.90B	170.90	3	83
9	168.00	166.00	168.00	168.00	168.00	....	84
10	168.00	168.30B	167.50	168.30B	168.30	4	86
11	....	169.80B	167.30A	169.80B	169.80	....	86
12	....	170.40B	....	169.90B	169.90	....	86
13	....	....	168.50A	168.90A	168.90	....	86
16	169.00	170.50B	169.00	170.00A@169.00	169.50	10	96
17	168.50	169.70B	165.50	167.60A@165.50	166.60	29	118
18	171.50	*171.60*	170.00	171.60B	171.60	28	132
19	171.80	173.00B	171.00A	173.00B	173.00	13	132
20	174.30	175.00B	171.00	174.50B	174.50	6	138
23	178.50	178.50	174.20A	178.50	178.50	2	138
24	179.50	180.20B	175.00	178.00@175.00	176.50	13	150
25	177.90	177.90	175.50	176.50@175.50	176.00	15	158
26	176.50	177.90	176.50	177.90	177.90	3	160
27	177.00	177.00	173.00	174.00@173.00	173.50	14	164
30	174.00	174.30B	171.00	172.00@171.00	171.50	18	176
31	173.30	174.90B	171.50	172.00	172.00	16	185
IN SEPTEMBER							
1	174.00	175.70B	173.00	173.50	173.50	4	186
2	175.10	175.10	173.00A	175.10	175.10	1	186
3	176.00	177.20B	174.00	176.00@174.00	175.00	4	189
7	178.50	178.50	176.00	177.00@176.00	176.50	6	190
8	176.00	177.50	175.80A	177.50	177.50	3	193
9	177.50	178.00B	176.50A	177.50@.00A	177.30	4	196
10	175.50	176.00	175.50	176.00	176.00	9	201
13	176.50	177.00	175.00A	177.00@176.10	176.50	3	204
14	177.50	178.00B	177.00	177.00	177.00	3	206
15	176.10	177.00	176.00A	177.00@176.00A	176.50	2	208
16	177.00	177.00	174.50A	175.50	175.50	17	219
17	175.50	175.80B	175.00A	175.50	175.50	2	221
20	177.00	177.00	173.50A	177.00@175.10	176.00	2	222
21	176.50	176.50	175.20A	175.60@.90	175.80	5	225
22	177.80	177.80	176.30A	176.90	176.90	11	230
23	176.50	177.20	175.70A	177.20@176.50A	176.90	8	229
24	176.00	177.00	174.50A	177.00@176.20A	176.60	9	235
27	....	....	175.30A	176.20A	176.20	....	235
28	177.00	177.00	175.20A	177.00	177.00	2	235
29	174.00	174.10	173.00A	174.00	174.00	27	247
30	171.50	172.00B	169.60	171.50	171.50	7	249

RANDOM LENGTH LUMBER FUTURES PRICES

SEPTEMBER 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	171.90	173.00B	170.90	171.00	171.00	7	251
4	169.50	172.00	169.50	172.00	172.00	16	263
5	171.20	174.90	171.20	174.90@.50A	174.70	5	260
6	175.00	177.80B	175.00	177.50	177.50	33	279
7	178.50	181.60	178.50	181.60@.20	181.40	29	293
8	182.00	182.00	180.00A	182.00	182.00	8	298
11	182.00	*187.00*	182.00	187.00	187.00	37	331
12	186.90	186.90	185.00	186.40@185.50A	186.00	26	343
13	185.40	#189.00	184.70A	189.00	189.00	23	360
14	189.00	#190.20	187.00	190.00	190.00	44	390
15	187.50	189.00B	187.50	188.00	188.00	14	395
18	188.80	189.00	187.80A	189.00	189.00	5	397
19	189.00	190.20	186.50A	189.00@188.50	188.80	36	409
20	187.50	187.50	185.10A	186.50	186.50	13	416
21	186.00	187.50B	185.00	185.00@.20	185.10	20	417
22	186.30@.50	188.00	186.20	188.00@187.00A	187.50	9	422
25	184.50	185.00	184.50	185.00@184.50A	184.80	21	414
26	185.60	185.60	184.40	185.00@.50	185.20	14	420
27	185.20	187.00	184.00A	187.00	187.00	9	414
28	188.50@189.50	189.60B	188.00A	188.50@189.00	188.70	14	416
29	190.00@.10	#191.40	189.00A	191.00@.40	191.20	14	420
IN NOVEMBER							
1	192.30@.40	#194.90	191.00	194.90	194.90	26	434
2	195.20	#198.00	194.50A	198.00	198.00	41	441
3	197.90	197.90	194.00	195.50A@194.00	194.80	34	426
4	195.60	*#199.80B*	195.60	199.80B	199.80	39	447
5	199.40	#201.00	199.00	201.00	201.00	29	448
8	200.50@.80	200.80	198.50	199.00	199.00	18	455
9	196.90	197.00	195.00	195.70B@.80	195.80	36	472
10	195.30	196.00	193.70A	194.50@193.70A	194.10	15	473
11	192.20	193.90	192.20	193.80@.90	193.90	51	486
12	195.00	198.00	194.50	198.00	198.00	93	519
15	196.60	197.30	195.20	197.00@.30	197.20	15	533
16	194.00	196.90	193.00A	196.90	196.90	36	552
17	198.20	199.40	197.80	199.40	199.40	49	565
18	198.50	#201.50	198.00A	201.00@200.00	200.50	51	559
19	201.00	#201.60	199.20	201.00@200.50	200.70	43	587
22	201.20@.50	201.50	198.50	199.50	199.50	83	641
23	197.50	198.50	196.50	197.20	197.20	35	658
24	196.10	198.00	195.80	198.00@197.50	197.70	14	669
26	197.50	201.00	197.50	201.00	201.00	28	678
29	200.50	201.00	199.10	201.00	201.00	41	701
30	199.60@.40	200.00B	196.80A	197.00	197.00	18	703
IN DECEMBER							
1	196.00	198.00	195.50	195.50@196.00	195.80	22	721
2	196.70	197.00	194.50	196.90	196.90	36	717
3	197.80	197.90	196.00A	197.80	197.80	13	720
6	195.20	195.50B	193.60A	195.00@194.00A	194.50	81	747
7	194.90	196.50B	194.00	196.40	196.40	49	764
8	194.50	196.70B	194.00	196.70B	196.70	29	771
9	197.00	200.80	195.30	200.80	200.80	59	782
10	200.50	200.70	199.00	200.70	200.70	22	784
13	201.40	#203.00	199.60A	202.90@.00	202.40	43	778
14	204.50	#205.00B	201.00	203.00B	203.00	78	821
15	203.00	203.40	200.80A	203.40@.20A	203.30	42	820
16	202.90	204.50	201.80	204.50@.00	204.20	67	831
17	205.40	#206.20	203.50	204.50@.00	204.20	100	848
20	202.80@.50	204.00B	201.10	202.50@.00	202.30	34	842
21	202.70	203.50	201.60	203.40@202.80	203.10	21	847
22	204.50	204.90	203.60	204.70	204.70	17	903
23	205.00	#206.40	205.00	205.50@.00	205.20	32	916
27	206.00@205.70	206.10	204.10	206.00@205.10A	205.50	18	914
28	205.00	205.90	204.50A	205.50@.00	205.30	8	848
29	204.20	205.20B	203.10A	203.70@.10A	203.40	14	844
30	203.50@204.00	204.20	202.60	203.00@.20	203.10	21	842
31	203.00	203.90	202.80A	203.90@.60	203.70	8	843

RANDOM LENGTH LUMBER FUTURES PRICES

NOVEMBER 1983 FUTURES CONTRACT
IN JULY 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
20	172.40	#173.00B	*172.00A	172.00A	172.00	1	1
21	173.00	#173.50B	172.00A	172.40A	172.40	1	1
22	....	#174.00B	....	174.00B	174.00	....	1
23	....	#174.50B	....	174.50B	174.50	....	1
26	174.00	174.00	*170.50A	172.80A	172.80	1	2
27	....	....	171.50A	171.50A	171.50	....	2
28	....	....	*170.00A	170.50A	170.50	....	2
29	170.00	170.00	168.50A	169.00A	169.00	3	5
30	....	....	168.50A	169.00N	169.00	....	5

IN AUGUST

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
2	....	172.60B	....	172.60B	172.60	....	5
3	170.50	171.00B	170.00A	171.00B	171.00	1	6
4	....	172.30B	170.70A	171.30B	171.30	....	6
5	....	173.00B	171.20A	173.00B	173.00	....	6
6	....	173.50B	172.50A	173.10B	173.10	....	6
9	....	....	169.00A	169.00A	169.00	....	6
10	....	169.50B	....	169.50B	169.50	....	6
11	....	171.00B	168.80A	171.00B	171.00	....	6
12	....	171.60B	....	171.20B	171.20	....	6
13	....	....	169.50A	171.00A	171.00	....	6
16	172.80	172.80	170.50A	171.10B	171.10	2	7
17	170.40	170.50	*168.00A	168.00A	168.00	11	12
18	172.80	173.00	171.70A	173.00B	173.00	9	19
19	....	174.00B	172.00A	174.00B	174.00	....	19
20	175.80	#176.00B	173.50	176.00B	176.00	6	23
23	179.80	#180.00B	175.80A	180.00B	180.00	3	25
24	181.00	#181.70B	179.10A	179.10A	179.10	4	27
25	179.00	180.20B	178.50A	179.00@178.50A	178.80	1	28
26	179.70	180.00B	179.50A	179.70	179.70	1	28
27	179.80	181.00	175.50A	175.50A	175.50	5	33
30	176.00	176.70B	173.50A	173.50A	173.50	1	31
31	177.00	177.10B	175.00A	175.00A	175.00	2	33

IN SEPTEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	177.80B	....	176.50B	176.50	....	33
2	....	176.70B	176.00A	176.60B	176.60	....	34
3	....	179.50B	176.00A	176.00A	176.00	....	34
7	....	180.50B	....	178.50B	178.50	....	34
8	178.50	179.00	178.00A	179.00	179.00	6	38
9	179.00	179.40B	178.50A	178.50A	178.50	3	41
10	179.00	179.00	177.10A	177.10A	177.10	1	42
13	177.10	178.00B	176.90	178.00B	178.00	3	43
14	179.50	179.50	177.80A	177.80A	177.80	7	48
15	....	....	177.00A	177.00A	177.00	....	48
16	178.00	178.00	175.30A	176.50A	176.50	2	48
17	....	176.80B	176.00A	176.50N	176.50	....	48
20	....	....	175.50A	176.50N	176.50	....	48
21	....	177.80B	....	177.70B	177.70	....	48
22	179.00	179.80	178.00	178.60B	178.60	2	47
23	179.00	179.00	177.70A	178.50	178.50	8	52
24	178.50	178.70	176.50A	178.50A	178.50	3	53
27	....	....	177.30A	178.00A	178.00	....	53
28	....	178.50B	177.20A	178.50B	178.50	....	53
29	....	....	175.00A	176.00A	176.00	....	53
30	174.00	174.00	172.00A	173.30B	173.30	9	55

RANDOM LENGTH LUMBER FUTURES PRICES

NOVEMBER 1983 FUTURES CONTRACT
IN OCTOBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	175.00B	173.00A	173.00A	173.00	....	55
4	172.00	173.30B	171.50A	173.30B	173.30	11	61
5	175.00	175.90B	175.00	175.90B	175.90	6	62
6	176.50	179.00B	176.50	178.90B	178.90	....	62
7	180.00	#182.00B	180.00	181.90B	181.90	7	67
8	182.00@.50	#182.90B	180.50A	182.90B	182.90	5	70
11	184.00	#187.50B	184.00	187.50B	187.50	15	77
12	187.00	187.00	185.00	186.00A@185.00	185.50	9	83
13	185.00	#189.00	185.00	189.00	189.00	18	91
14	189.00	#190.80	187.40	189.90B	189.90	19	95
15	....	....	188.00A	188.00A	188.00	4	98
18	....	189.00B	....	189.00B	189.00	....	98
19	190.00	190.40	186.50	186.50@187.50B	187.00	16	112
20	187.50	189.40	185.50A	186.50A	186.50	7	116
21	....	187.50B	185.20A	185.20A	185.20	....	117
22	....	187.50B	....	187.00B	187.00	1	117
25	184.60	184.60	184.60	184.60	184.60	11	114
26	....	185.50B	184.40A	185.00B	185.00	....	106
27	....	187.00B	184.30A	187.00B	187.00	....	106
28	....	189.60B	....	189.00B	189.00	....	106
29	190.00	#193.00	190.00	193.00@191.00A	192.00	17	109
IN NOVEMBER							
1	193.00	#195.00B	192.20	195.00B	195.00	15	119
2	195.00	#197.90B	195.00	197.90B	197.90	17	120
3	198.00	#198.20	196.10A	196.10A	196.10	14	117
4	198.50	*#201.10B*	197.50	201.10B	201.10	8	122
5	201.00	#202.40	200.50	201.00A	201.00	20	127
8	200.00@.20	200.20	198.00	198.00@199.30B	198.70	23	143
9	197.00	197.70B	195.00	195.40@196.00B	195.70	51	170
10	195.70	195.70	193.50	193.50@194.00B	193.80	1	170
11	192.50	195.00	192.50	193.50@195.00	194.20	34	193
12	195.00	198.30	195.00	197.80@198.00	197.90	39	206
15	196.00	197.50B	195.50	197.50B	197.50	7	206
16	194.50	197.00B	193.70	196.00@197.00B	196.50	9	209
17	198.70	201.00	198.70	199.00	199.00	24	212
18	199.00	201.00	198.30A	201.00@200.00	200.50	22	214
19	202.50	#202.50	199.50	201.40@200.00	200.70	28	230
22	200.00	201.00B	199.00	199.00	199.00	11	236
23	198.50	199.00	196.10	196.10	196.10	27	245
24	197.50	198.00B	196.30	196.30	196.30	5	250
26	198.20@.30	201.00	198.20	201.00	201.00	17	256
29	201.00	201.50B	199.50A	201.10@.50B	201.30	17	264
30	199.70	200.60B	197.00	197.50@.00	197.30	10	264
IN DECEMBER							
1	199.00	199.00	195.50	197.00A@195.50	196.30	13	172
2	197.60	198.00B	195.50A	198.00B	198.00	13	274
3	198.50	198.80B	197.50	197.50	197.50	5	276
6	197.40	197.40	195.00	195.50@.00	195.30	5	279
7	196.50	197.30	196.50	197.00@.30B	197.10	7	282
8	197.50@.70	197.70	196.00	196.20@197.00B	196.60	24	290
9	197.40	200.70	197.10	200.20@.70	200.40	18	295
10	201.20@.40	201.80B	200.50	201.10@.80B	201.40	15	301
13	202.00	#204.80B	201.50A	203.00	203.00	41	306
14	204.80@205.00	#205.70B	202.00	204.00B	204.00	29	312
15	202.20	203.50	201.80	202.50@203.50	203.00	17	322
16	203.80	204.80	203.80	204.50@.00	204.20	9	323
17	206.40	#207.50	204.50	205.40@.00	205.20	36	348
20	205.20@.00	206.20	203.20	203.50A	203.50	14	345
21	....	204.80B	....	204.20B	204.20	1	345
22	204.50	205.50B	204.50	204.50@205.50B	205.00	2	292
23	206.30	206.60B	205.40	205.40@206.00B	205.70	10	297
27	207.00	207.00	205.70A	206.10A	206.10	9	300
28	206.90	207.00	205.80A	205.80A	205.80	5	302
29	206.00	206.20B	204.00	204.00@.50B	204.30	3	303
30	204.00	204.50B	203.70A	203.90	203.90	2	303
31	204.10	204.70B	204.00A	204.70B	204.70	3	306

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1984 FUTURES CONTRACT
IN SEPTEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	(Trades Cleared)	Volume Open Interest
16	179.00	#182.00B	*179.00	181.00B	181.00	1	1
17	....	#183.00B	....	181.00N	181.00	....	1
20	....	#183.80B	180.60A	182.90B	182.90	....	1
21	....	#184.00B	180.00A	180.70A	180.70	....	1
22	....	*#185.70B*	....	182.50B	182.50	....	1
23	....	183.00B	181.50A	182.50N	182.50	....	1
24	....	183.50B	181.00A	183.50B	183.50	....	1
27	....	....	183.00A	183.50N	183.50	....	1
28	....	184.50B	182.70A	183.70B	183.70	....	1
29	....	....	180.00A	181.00A	181.00	....	1
30	....	....	*178.00A	178.40A	178.40	....	1

IN OCTOBER

Date	Open Range	High	Low	Closing Range	Settlement Price	(Trades Cleared)	Volume Open Interest
1	....	180.00B	178.00A	178.00A	178.00	....	1
4	....	178.30B	*176.50A	178.30B	178.30	....	1
5	180.00	180.70B	180.00	180.70B	180.70	3	4
6	182.50	183.70	182.50	183.70	183.70	4	7
7	185.50	#187.00B	185.50	187.00B	187.00	1	8
8	186.50	#189.00B	185.70A	187.40B	187.40	2	8
11	....	#190.00B	....	190.00B	190.00	....	8
12	190.00	#191.00B	189.50A	189.50A	189.50	....	8
13	190.00	#193.50B	189.00A	193.50B	193.50	2	10
14	....	#194.50B	193.00A	194.00B	194.00	....	10
15	194.50	#195.00B	193.50A	194.00A	194.00	1	11
18	195.00	#195.20B	193.70A	195.20B	195.20	1	12
19	195.50	#197.00B	194.00A	194.00A	194.00	1	13
20	194.00	194.00	192.00A	192.50A	192.50	7	18
21	....	194.00B	192.00A	192.50N	192.50	....	18
22	195.00	196.00	194.60A	194.60A	194.60	4	20
25	....	....	191.50A	191.50A	191.50	1	22
26	....	192.00B	191.00A	191.00A	191.00	1	23
27	192.00	193.00B	190.60A	193.00B	193.00	1	23
28	195.00	195.00	193.50A	193.50A	193.50	2	23
29	195.00	196.00	195.00	196.00B	196.00	2	24

IN NOVEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	(Trades Cleared)	Volume Open Interest
1	199.50@200.00	#200.00	198.50A	199.50@200.00	199.70	2	25
2	201.50	#204.00	201.50	204.00	204.00	9	34
3	205.00	#205.00	201.00A	201.00A	201.00	....	34
4	205.00	*#206.00B*	205.00	205.00	205.00	2	34
5	....	#206.30B	....	206.30B	206.30	5	39
8	206.00	206.00	204.30A	204.60A	204.60	2	40
9	....	....	201.50A	201.50A	201.50	....	40
10	201.00	202.20B	200.10A	201.00@200.10A	200.60	9	44
11	200.50	201.00B	199.00A	201.00B	201.00	....	44
12	203.40	205.30	203.40	205.30	205.30	2	46
15	....	....	202.80A	204.00A	204.00	....	46
16	201.00	204.50B	200.80	204.50B	204.50	3	42
17	208.00@.50	#208.50	206.00	207.00B	207.00	12	43
18	206.50	#209.00B	206.50	207.50B	207.50	8	50
19	210.00@.50	#210.50	208.60A	208.60A	208.60	15	48
22	207.60	207.60	207.30A	207.40A	207.40	1	49
23	207.20@.10	207.20	206.20A	206.20A	206.20	18	62
24	207.20	207.50B	206.30A	206.30A	206.30	11	62
26	....	208.00B	206.00A	207.50B	207.50	....	62
29	207.70	208.50	206.80A	207.50A	207.50	6	61
30	207.00	207.00	205.00A	206.00@205.00A	205.50	4	65

RANDOM LENGTH LUMBER FUTURES PRICES

JANUARY 1984 FUTURES CONTRACT
IN DECEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	206.00B	203.10A	203.10A	203.10	1	65
2	204.70	205.00B	202.50A	205.00B	205.00	2	65
3	205.80	206.20B	204.00A	204.00A	204.00	2	65
6	201.50	201.50	201.00A	201.50@.00A	201.30	2	65
7	202.00	203.50B	201.80A	203.50B	203.50	5	70
8	203.00	204.50B	201.50	203.00@201.50	202.30	13	73
9	203.70	205.10B	203.70	205.10B	205.10	5	70
10	....	206.80B	....	205.50B	205.50	....	70
13	....	210.50B	....	208.00B	208.00	....	70
14	210.50	#211.50B	208.00A	208.20@.00A	208.10	3	71
15	208.00	209.80B	208.00	208.00	208.00	5	72
16	209.50	210.00B	209.50	210.00B	210.00	2	72
17	212.00	#212.00	210.00A	210.00A	210.00	9	73
20	208.50	210.00B	208.50	208.50	208.50	2	75
21	208.00	209.50B	208.00	208.00	208.00	1	76
22	210.50	210.50	210.00A	210.50	210.50	2	76
23	211.00	211.40B	209.50	209.50	209.50	3	78
27	212.30	#212.30	210.80A	211.00A	211.00	1	78
28	211.00	211.50B	210.50A	210.50A	210.50	2	78
29	210.50	211.20B	209.50A	209.70@.50A	209.60	2	80
30	....	....	208.60A	209.00A	209.00	....	80
31	....	209.30B	....	209.30A	209.30	....	80

MARCH 1984 FUTURES CONTRACT
IN NOVEMBER 1982

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
17	210.00	#211.00B	*210.00	210.50B	210.50	2	1
18	212.00	#212.50B	210.00A	211.00A	211.00	2	2
19	....	#212.80B	....	211.00N	211.00	....	2
22	....	212.10B	....	211.00N	211.00	....	2
23	211.40	211.80B	210.10A	210.10A	210.10	....	2
24	....	211.20B	....	210.10N	210.10	1	3
26	....	212.50B	210.00A	211.50B	211.50	....	2
29	211.70	212.50B	211.20A	211.80B	211.80	1	3
30	211.50	211.50	*209.20A	209.20A	209.20	1	3

IN DECEMBER

Date	Open Range	High	Low	Closing Range	Settlement Price	Volume (Trades Cleared)	Open Interest
1	....	210.50B	*206.50A	206.50A	206.50	....	3
2	209.50	210.10B	207.00A	209.00B	209.00	3	5
3	....	210.20B	208.00A	208.00A	208.00	....	5
6	....	....	*205.10A	205.50A	205.50	....	5
7	208.40	208.40	206.80A	208.10A	208.10	1	6
8	....	209.80B	206.00A	207.00A	207.00	....	6
9	209.50	211.00B	209.40A	211.00B	211.00	2	7
10	....	212.80B	....	211.00N	211.00	....	7
13	....	#216.00B	....	213.50B	213.50	....	7
14	....	#216.50B	....	214.50B	214.50	....	7
15	215.50	216.50B	214.80A	214.80A	214.80	1	8
16	215.00	216.30B	214.50A	214.50A	214.50	2	9
17	216.50	#217.00B	214.00A	214.00A	214.00	6	12
20	....	....	212.50A	212.50A	212.50	....	12
21	....	214.00B	....	212.50N	212.50	....	12
22	....	215.50B	....	215.00B	215.00	....	11
23	....	217.00B	....	215.00N	215.00	....	11
27	....	215.50B	....	215.50B	215.50	....	11
28	215.60	215.80B	214.50A	214.50A	214.50	1	12
29	216.20	216.30B	213.50A	213.50A	213.50	3	14
30	....	....	213.00A	213.00A	213.00	....	14

Section Three

SUMMARY VOLUME, OPEN INTEREST AND DELIVERY TABLES

1982 VOLUME OF TRADING ON THE CHICAGO MERCANTILE EXCHANGE

	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC	YEAR
CHICAGO MERCANTILE EXCHANGE (C.M.E.)—													
Pork Bellies	196,040	#216,333	*263,431	*265,863	*301,763	#248,855	#217,434	#229,207	#188,129	#224,449	#227,482	#232,688	+2,811,674
Live Hogs	#178,698	#195,567	#262,645	#222,594	*288,004	*408,299	#300,139	#344,515	#347,158	#383,369	#324,922	#305,064	+3,560,974
Live Cattle	387,172	332,460	434,339	355,753	389,308	458,390	340,170	326,041	353,092	421,224	337,413	305,630	4,440,992
Feeder Cattle	50,186	52,446	54,759	43,416	37,286	59,452	46,398	57,290	62,585	52,969	43,164	43,818	603,769
Eggs	—	—	—	—	6	6	1	3	2	—	—	—	18
Plywood	14	9	10	—	1	1	—	—	—	—	—	—	35
Potatoes	2	1	—	2	4	—	—	—	—	—	—	—	9
Broiler Chickens	818	310	519	180	133	76	42	8	13	9	10	—	2,118
INTERNATIONAL MONETARY MARKET (I.M.M.)—													
British Pound	#114,324	114,035	#130,386	#105,875	89,268	#128,676	107,194	124,125	84,697	99,758	108,117	115,246	1,321,701
Canadian Dollar	32,572	42,463	75,882	#74,431	*93,600	*177,683	#109,523	#121,996	#80,735	#77,982	#89,296	#102,304	+1,078,467
Deutschemark	#132,611	111,629	#129,037	108,493	#170,869	#153,999	*180,092	*198,485	149,603	133,768	167,469	#156,846	+1,792,901
Dutch Guilder	—	—	—	—	—	—	—	—	—	—	—	128	128
French Franc	18	42	507	183	1,123	#2,006	92	#843	#3,783	#1,151	#4,244	2,482	+16,474
Japanese Yen	#80,272	#87,736	*140,187	*145,289	*160,196	#117,270	*203,985	#184,705	#126,374	#126,479	*215,465	#174,288	+1,762,246
Mexican Peso	1,793	5,854	6,886	4,926	5,678	5,525	5,125	#14,551	#5,900	2,683	2,388	3,727	65,036
Swiss Franc	#158,814	#137,177	#187,809	#170,142	*246,570	#214,458	*288,093	*313,259	#230,797	#216,694	#253,010	#236,509	+2,653,332
Gold Bullion	128,655	103,369	174,103	153,407	84,307	122,228	117,956	122,613	147,931	150,655	135,828	92,414	1,533,466
Silver Coins	1	—	—	—	—	—	—	—	—	—	—	—	1
90-Day Treasury Bill	#503,536	#465,503	*638,665	#529,098	#595,379	#545,986	#615,158	*738,394	#628,581	#521,431	442,431	374,686	+6,598,848
3-Mth Cert. of Dep.	*127,931	115,665	#158,590	#143,647	#146,296	#145,253	*173,493	#159,462	#120,436	#101,212	92,905	71,437	+1,556,327
3-Mth Eurodollar	#11,070	#11,879	#14,351	*16,672	*21,904	*25,475	#22,457	*35,654	*42,859	#42,042	#39,244	#40,012	+323,619
INDEX AND OPTION MARKET (I.O.M.)—													
S & P 500 Futures	—	—	—	*27,544	*123,097	*261,282	#236,825	*373,646	*408,085	*490,697	*515,625	#498,731	+2,935,532
Random Length Lumber	51,268	45,193	44,717	44,116	40,828	47,512	34,524	35,432	29,835	47,761	51,046	44,387	516,619
TOTALS:													
C.M.E.	812,930	797,126	1,015,703	887,808	1,016,505	#1,175,079	904,184	957,064	950,979	1,082,020	932,991	#887,200	11,419,589
I.M.M.	#1,291,597	#1,195,352	*1,656,403	#1,452,163	#1,615,190	#1,638,559	*1,823,168	*2,014,087	#1,621,696	#1,473,855	#1,550,397	1,370,079	+18,702,546
I.O.M.	51,268	45,193	44,717	*71,660	*163,925	*308,794	#271,349	*409,078	*437,920	*538,458	*566,671	#543,118	+3,452,151
EXCHANGE OVERALL	#2,155,795	#2,037,671	*2,716,823	#2,411,631	*2,795,620	*3,122,432	#2,998,701	*3,380,229	#3,010,595	#3,094,333	#3,050,059	#2,800,397	+33,574,286
Currencies Only	#520,404	#498,936	#670,694	#609,339	*767,304	*799,617	*894,104	*957,964	#681,889	#658,515	#839,989	#791,530	+8,690,285
Interest Rates Only	642,537	593,047	*811,606	#689,417	763,579	716,714	811,108	*933,510	#791,876	664,685	574,580	486,135	+8,478,794

# Record volume month for any year (Jan to Jan, Feb to Feb, etc.) as they occured during 1982

* All-Time Record volume month for any month and year as they occured during 1982

+ All-Time Record volume year.

INDEX AND OPTION MARKET DAILY VOLUME TOTALS DURING 1982 (All I.O.M. Contracts)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Closed	943	2,019	1,076	....	11,494	11,059	....	18,273	17,001	23,899	R43,720
2	....	2,061	2,373	688	....	12,123	9,016	13,443	21,375	....	29,858	29,708
3	....	1,788	1,769	....	4,028	13,035	....	14,237	24,359	....	31,930	24,634
4	2,034	2,470	2,598	....	5,033	12,731	....	15,893	....	20,430	35,739	....
5	3,071	1,552	2,600	1,600	4,229	....	Closed	16,558	....	18,937	27,505	....
6	2,311	....	....	2,526	7,149	....	12,156	12,969	Closed	22,072	....	33,835
7	2,936	....	....	1,863	6,803	R16,165	13,232	....	18,512	R31,777	....	39,687
8	1,931	2,424	2,092	1,334	....	R18,071	16,302	....	23,273	26,479	23,317	34,333
9	....	1,720	1,611	Closed	....	R18,996	18,516	16,378	21,803	....	29,184	36,187
10	....	1,246	2,001	....	5,906	17,394	....	17,700	21,704	....	33,850	27,848
11	2,717	1,217	2,416	....	6,733	14,998	....	16,030	....	26,577	30,831	....
12	3,489	3,111	2,170	1,425	R 8,679	....	14,968	13,522	....	30,266	27,741	....
13	2,292	....	....	1,629	8,431	....	14,392	12,339	22,824	29,719	....	21,654
14	2,767	....	....	2,234	6,565	11,981	12,304	....	26,577	22,311	....	36,387
15	2,560	Closed	1,566	1,223	....	14,707	14,114	....	25,239	18,913	25,925	31,561
16	....	3,259	2,038	2,147	....	14,731	10,096	16,350	21,290	....	34,418	28,510
17	....	3,268	2,959	....	5,824	14,721	....	R21,933	15,547	....	27,211	19,511
18	2,393	2,846	1,954	....	8,058	9,624	....	R24,218	....	19,923	23,821	....
19	1,528	2,764	1,230	2,426	R 9,090	....	11,023	R25,593	....	29,152	22,932	....
20	1,946	....	....	2,027	R10,987	....	13,162	19,962	18,872	28,438	....	15,494
21	2,759	....	....	6,426	6,764	15,190	13,031	....	20,874	28,102	....	20,163
22	3,789	2,655	1,572	4,753	....	13,497	12,021	....	25,009	27,885	26,786	22,193
23	....	2,919	1,883	6,091	....	15,816	9,060	23,404	23,621	....	30,820	8,762
24	....	3,979	1,076	....	6,736	16,074	....	24,855	16,572	....	17,629	Closed
25	2,301	1,548	1,863	....	R15,429	11,686	....	21,866	....	27,128	Closed	....
26	2,501	2,883	2,741	5,787	R16,118	....	10,729	23,309	....	R38,566	13,112	....
27	2,455	....	....	6,483	12,157	....	11,406	18,686	10,786	29,337	....	15,328
28	2,432	....	....	R7,354	9,206	11,021	14,518	....	19,245	24,759	....	17,360
29	3,056	....	1,597	6,758	....	11,466	17,305	....	21,278	20,686	22,583	14,741
30	....	....	1,579	5,699	....	13,273	12,939	17,749	20,887	....	27,580	14,915
31	....	....	1,010	4,028	Closed	....	....	22,084	....	....	....	6,587
Total	51,268	45,193	44,717	71,660	163,925	308,794	271,349	409,078	437,920	538,458	566,671	543,118
Average	2,563	2,379	1,944	3,412	8,196	14,036	12,921	18,594	20,853	25,640	26,984	24,687

R—Single Day Total Records

Note: I.O.M. division in effect as of Apr 21, 1982; totals shown prior to that date are Lumber futures only.

STANDARD AND POOR'S 500 STOCK INDEX FUTURES DAILY VOLUME TOTALS DURING 1982 (All Delivery Months)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	....	....	....	....	9,159	9,356	....	16,729	15,533	20,845	R41,761
2	....	....	....	....	....	9,454	8,093	12,356	20,283	....	27,602	28,112
3	....	....	....	....	2,881	10,089	....	12,605	22,732	....	29,062	22,629
4	....	....	....	....	2,700	10,257	....	13,973	....	19,323	33,111	....
5	....	....	....	....	2,746	....	Closed	14,726	....	17,766	24,354	....
6	....	....	....	....	R 5,171	....	10,441	12,213	Closed	19,087	....	29,979
7	....	....	....	....	4,009	R14,287	12,165	....	16,769	R28,416	....	36,745
8	....	....	....	....	....	R16,667	14,910	....	21,396	24,000	20,961	32,120
9	....	....	....	....	....	R16,904	15,394	14,928	20,613	....	26,211	33,644
10	....	....	....	....	4,218	14,794	....	16,527	18,891	....	31,139	25,226
11	....	....	....	....	4,715	12,069	....	15,055	....	23,601	28,465	....
12	....	....	....	....	R 5,185	....	12,281	12,871	....	27,930	24,757	....
13	....	....	....	....	5,017	....	12,573	10,794	21,568	26,549	....	19,241
14	....	....	....	....	3,937	9,968	10,863	....	R25,227	19,449	....	32,047
15	....	....	....	....	....	12,281	12,774	....	23,472	17,200	23,107	29,023
16	....	....	....	....	....	13,007	8,335	15,042	20,314	....	32,120	26,991
17	....	....	....	....	4,296	11,031	....	R20,687	14,544	....	24,861	17,040
18	....	....	....	....	R 6,677	7,537	....	R23,458	....	18,404	21,259	....
19	....	....	....	....	R 7,169	....	9,559	22,420	....	26,419	20,670	....
20	....	....	....	....	R 8,403	....	10,695	17,543	17,065	25,758	....	13,839
21	....	....	....	R 3,963	5,171	11,336	11,280	....	19,736	25,198	....	19,396
22	....	....	....	2,983	....	11,584	10,895	....	22,916	26,287	24,785	20,685
23	....	....	....	3,064	....	14,165	8,019	21,013	22,621	....	28,946	7,453
24	....	....	....	....	5,523	14,452	....	22,183	15,676	....	16,221	Closed
25	....	....	....	....	R14,136	10,192	....	20,003	....	24,731	Closed	....
26	....	....	....	3,049	12,840	....	8,774	21,459	....	R36,677	11,207	....
27	....	....	....	R 3,978	10,527	....	10,035	16,830	10,299	27,947	....	13,846
28	....	....	....	R 4,151	7,776	9,811	13,229	....	18,225	22,604	....	15,966
29	....	....	....	3,512	....	10,455	15,260	....	19,675	17,818	20,369	13,312
30	....	....	....	2,844	....	11,783	11,894	16,477	19,334	....	25,573	13,609
31	....	....	....	....	Closed	....	....	20,483	....	....	....	6,067
Total	....	....	....	27,544	123,097	261,282	236,825	373,646	408,085	490,697	515,625	498,731
Average	....	....	....	3,443	6,154	11,876	11,277	16,983	19,432	23,366	24,553	22,669

R—Single Day Record Total

RANDOM LENGTH LUMBER FUTURES DAILY VOLUME TOTALS DURING 1982 (All Delivery Months)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Closed	943	2,019	1,076	....	2,335	1,703	....	1,544	1,468	3,054	1,959
2	....	2,601	2,373	688	....	2,669	923	1,087	1,092	....	2,256	1,596
3	....	1,789	1,769	....	1,147	2,946	....	1,632	1,627	....	2,868	2,005
4	2,034	2,470	2,598	....	2,333	2,474	....	1,920	....	1,107	2,628	....
5	3,071	1,552	2,600	1,600	1,483	....	Closed	1,832	....	1,171	3,151	....
6	2,311	....	....	2,526	1,978	....	1,715	756	Closed	2,985	....	3,856
7	2,936	....	....	1,863	2,794	1,878	1,067	....	1,743	3,361	....	2,942
8	1,931	2,424	2,092	1,334	....	1,404	1,392	....	1,877	2,479	2,356	2,213
9	....	1,720	1,611	Closed	....	2,092	3,122	1,450	1,190	....	2,973	2,543
10	....	1,246	2,001	....	1,688	2,600	....	1,173	2,813	....	2,711	2,622
11	2,717	1,217	2,416	....	2,018	2,929	....	975	....	2,976	2,366	....
12	3,489	3,111	2,170	1,536	3,494	....	2,687	651	....	2,336	2,984	....
13	2,292	....	....	1,629	3,414	....	1,819	1,545	1,256	3,170	....	2,413
14	2,767	....	....	2,234	2,628	2,013	1,441	....	1,350	2,862	....	4,430
15	2,560	Closed	1,566	1,223	....	2,426	1,340	....	1,767	1,713	2,818	2,538
16	....	3,259	2,038	2,147	....	1,724	1,761	1,308	976	....	2,298	1,519
17	....	3,268	2,959	....	1,528	3,690	....	1,246	1,003	....	2,350	2,471
18	2,393	2,846	1,954	....	1,381	2,087	....	760	....	1,519	2,562	....
19	1,528	2,764	1,230	2,426	1,921	....	1,464	3,173	....	2,733	2,262	....
20	1,946	....	....	2,027	2,584	....	2,467	2,419	1,807	2,680	....	1,655
21	2,759	....	....	2,463	1,593	3,854	1,751	....	1,138	2,904	....	767
22	3,789	2,655	1,572	1,770	....	1,913	1,126	....	2,093	1,598	2,001	1,508
23	....	2,919	1,883	3,027	....	1,651	1,041	2,391	1,000	....	1,874	1,309
24	....	3,979	1,076	....	1,213	1,622	....	2,672	896	....	1,408	Closed
25	2,301	1,548	1,863	....	1,392	1,494	....	1,863	....	2,397	Closed	....
26	2,501	2,883	2,741	2,738	3,278	....	1,955	1,850	....	1,889	1,905	....
27	2,455	....	....	2,505	1,630	....	1,371	1,856	487	1,390	....	1,482
28	2,432	....	....	3,203	1,430	1,210	1,289	....	1,020	2,155	....	1,394
29	3,056	....	1,597	3,246	....	1,011	2,045	....	1,603	2,868	2,214	1,429
30	....	....	1,579	5,699	....	1,490	1,045	1,272	1,553	....	2,007	1,306
31	....	....	1,010	....	Closed	....	....	1,601	....	....	....	520
Total ...	51,268	45,193	44,717	44,116	40,828	47,512	34,524	35,432	29,835	47,761	51,046	44,387
Average .	2,563	2,379	1,944	2,100	2,041	2,159	1,644	1,610	1,420	2,274	2,430	2,017

R—Single Day Record Total

INDEX AND OPTION MARKET DAILY OPEN INTEREST TOTALS DURING 1982 (All I.O.M. Contracts)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Closed	9,394	8,937	7,074	....	13,830	15,511	....	20,029	19,666	21,523	R27,496
2	....	9,596	8,654	7,152	....	13,775	15,722	19,246	20,264	....	22,011	27,102
3	....	9,708	8,587	....	9,380	13,410	....	19,681	19,983	....	R23,888	27,021
4	8,930	9,533	8,339	....	9,468	13,628	....	20,575	....	20,226	23,076	....
5	8,771	9,521	8,195	7,021	9,673	....	Closed	20,730	....	20,006	23,080	....
6	8,863	....	....	7,018	10,538	....	15,935	20,783	Closed	19,617	....	26,237
7	8,775	....	....	7,166	10,746	R14,974	16,081	....	20,159	18,214	....	26,264
8	8,805	9,405	8,198	7,121	....	R15,089	16,070	....	19,447	18,388	23,721	25,832
9	....	9,417	8,049	Closed	....	R16,560	16,353	20,151	20,303	....	R24,263	26,547
10	....	9,481	7,876	....	11,014	R16,758	....	20,604	19,545	....	R24,279	25,883
11	9,022	9,474	7,930	....	11,529	16,279	....	20,345	....	19,913	R25,738	....
12	8,903	9,386	7,715	7,195	11,236	....	R17,423	20,153	....	19,939	23,855	....
13	9,033	....	....	7,266	11,300	....	R17,659	19,701	18,846	21,156	....	25,696
14	9,031	....	....	7,290	10,885	16,476	R17,743	....	18,331	20,810	....	26,284
15	8,730	Closed	7,526	7,266	....	16,028	17,667	....	17,843	21,093	23,906	26,299
16	....	9,459	7,586	7,544	....	16,590	R17,892	19,827	18,567	....	24,879	25,183
17	....	9,546	7,187	....	11,073	15,834	....	20,650	16,985	....	24,959	20,733
18	9,082	9,674	7,109	....	11,742	15,124	....	20,539	....	R21,698	24,987	....
19	9,090	9,643	6,961	7,823	11,925	....	R18,771	19,489	....	R21,713	24,986	....
20	9,069	....	....	7,820	13,463	....	R18,964	19,448	17,576	R22,110	....	20,117
21	9,348	....	....	8,247	13,408	15,607	R19,162	....	17,204	R22,725	....	20,932
22	9,551	9,503	7,031	8,548	....	15,502	19,191	....	17,374	22,324	R26,060	21,263
23	....	9,442	7,041	8,812	....	14,792	R20,218	20,155	17,719	....	R26,341	21,454
24	....	9,362	7,063	....	13,524	13,965	....	20,709	17,469	....	26,278	Closed
25	9,398	9,248	7,108	....	14,065	13,970	....	20,495	....	22,435	Closed	....
26	9,444	8,982	6,851	9,030	14,539	....	19,879	19,642	....	21,988	26,161	....
27	9,424	....	....	9,080	13,157	....	20,027	19,659	17,569	20,588	....	21,591
28	9,573	....	....	9,503	13,358	13,975	R21,590	....	17,700	20,531	....	21,122
29	9,328	....	6,874	9,235	....	14,122	20,154	....	18,410	20,907	R26,569	20,915
30	....	....	6,968	9,073	....	15,251	20,111	19,702	18,989	....	R27,091	21,366
31	....	....	6,990	....	Closed	....	....	19,629	....	....	....	21,596
Average	9,109	9,462	7,468	7,917	11,801	15,070	18,196	20,087	18,582	20,764	24,650	23,952

R—Single Day Recrod Total

Note: I.O.M. division in effect as of Apr. 21, 1982; Totals shown prior to that date are Lumber futures only

STANDARD AND POOR'S 500 STOCK INDEX FUTURES DAILY OPEN INTEREST TOTALS DURING 1982 (All Delivery Months)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	....	....	....	....	7,586	9,879	....	14,134	13,581	12,854	R16,811
2	....	....	....	....	....	7,596	10,173	14,512	14,359	....	13,095	16,192
3	....	....	....	....	R 1,987	7,312	....	14,745	13,935	....	14,927	16,040
4	....	....	....	....	R 2,013	7,524	....	15,625	....	14,214	14,008	....
5	....	....	....	....	R 2,170	....	Closed	15,861	....	13,889	13,864	....
6	....	....	....	....	R 2,809	....	10,393	15,890	Closed	13,646	....	15,475
7	....	....	....	....	R 2,896	R 8,971	R10,608	....	14,297	12,010	....	15,571
8	....	....	....	....	....	R 9,157	10,577	....	13,683	12,044	14,252	15,050
9	....	....	....	....	....	R10,417	R11,166	15,275	14,431	....	14,652	15,921
10	....	....	....	....	R 3,464	10,373	....	15,752	13,708	....	14,719	15,502
11	....	....	....	....	R 4,053	9,977	....	15,611	....	13,008	16,048	....
12	....	....	....	....	3,859	....	R12,093	15,413	....	12,768	14,224	....
13	....	....	....	....	R 4,174	....	R12,378	14,804	13,181	13,237	....	15,253
14	....	....	....	....	3,985	10,150	R12,568	....	12,848	12,853	....	16,191
15	....	....	....	....	....	9,661	12,529	....	12,537	13,101	14,493	16,099
16	...	....	....	....	....	10,157	R12,845	14,866	13,203	....	15,434	15,037
17	....	....	....	....	R 4,278	9,233	....	15,565	11,550	....	15,113	10,549
18	....	....	....	....	R 5,016	8,655	....	15,254	....	13,492	15,060	....
19	....	....	....	....	R 5,379	....	R13,722	14,169	....	13,159	14,857	....
20	....	....	....	....	R 6,747	....	R14,084	13,823	11,881	13,363	....	10,036
21	....	....	....	R 516	6,645	9,071	R14,199	....	11,412	13,899	....	10,829
22	....	....	....	R 873	....	9,364	14,118	....	11,370	13,522	15,873	11,051
23	....	....	....	R 1,134	....	8,761	14,961	14,296	11,757	....	16,104	11,193
24	....	....	....	....	R 6,894	8,055	....	14,614	11,500	....	16,019	Closed
25	....	....	....	....	R 7,488	8,328	....	14,471	....	14,020	Closed	....
26	....	....	....	R 1,304	R 7,881	....	14,752	13,749	....	13,620	15,800	....
27	....	....	....	R 1,401	6,531	....	14,868	13,790	11,581	12,344	....	11,363
28	....	....	....	R 1,597	6,780	8,253	R16,745	....	11,569	12,144	....	11,139
29	....	....	....	1,492	....	8,419	15,472	....	12,217	12,625	16,189	10,914
30	....	....	....	R 1,613	....	9,603	15,482	14,006	12,901	....	16,601	11,460
31	....	....	....	....	Closed	....	....	13,840	....	....	....	11,681
Average	....	....	....	1,241	4,752	8,937	13,029	14,815	14,815	13,169	14,961	13,607

R—Single Day Record Total

RANDOM LENGTH LUMBER FUTURES DAILY OPEN INTEREST TOTALS DURING 1982 (All Delivery Months)

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Closed	9,394	8,937	7,047	....	6,244	5,632	....	5,895	6,085	8,669	10,685
2	....	9,596	8,654	7,152	....	6,179	5,549	4,734	5,905	....	8,916	10,910
3	....	9,708	8,587	....	7,393	6,098	....	4,936	6,048	....	8,961	10,981
4	8,930	9,533	8,339	....	7,455	6,104	....	4,950	....	6,012	9,068	....
5	8,771	9,521	8,195	7,021	7,503	....	Closed	4,869	....	6,117	9,216	....
6	8,863	....	....	7,018	7,729	....	5,542	4,893	Closed	5,971	....	10,762
7	8,775	....	....	7,166	7,850	6,003	5,473	....	5,862	6,204	....	10,693
8	8,805	9,405	8,198	7,121	....	5,932	5,493	....	5,764	6,344	9,469	10,782
9	....	9,417	8,049	Closed	....	6,143	5,187	4,876	5,872	....	9,611	10,626
10	....	9,481	7,876	....	7,550	6,385	....	4,852	5,837	....	9,560	10,381
11	9,022	9,474	7,930	....	7,476	6,302	....	4,734	....	6,905	9,690	....
12	8,903	9,386	7,715	7,195	7,377	....	5,330	4,470	....	7,171	9,631	....
13	9,033	....	....	7,266	7,126	....	5,281	4,897	5,665	7,919	....	10,443
14	9,031	....	....	7,290	6,900	6,326	5,175	....	5,483	7,957	....	10,093
15	8,730	Closed	7,526	7,266	....	6,367	5,138	....	5,306	7,992	9,413	10,200
16	....	9,459	7,586	7,544	....	6,433	5,048	4,961	5,364	....	9,445	10,146
17	....	9,546	7,187	....	6,795	6,601	....	5,085	5,435	....	9,846	10,184
18	9,082	9,674	7,109	....	6,726	6,469	....	5,285	....	8,206	9,927	....
19	9,090	9,643	6,961	7,823	6,546	....	5,049	5,320	....	8,554	10,129	....
20	9,069	....	....	7,820	6,716	....	4,880	5,625	5,695	8,747	....	10,081
21	9,348	....	....	7,731	6,763	6,536	4,963	....	5,792	8,826	....	10,103
22	9,551	9,503	7,031	7,675	....	6,138	5,033	....	6,004	8,802	10,187	10,212
23	....	9,442	7,041	7,678	....	6,031	5,257	5,859	5,962	....	10,237	10,261
24	....	9,362	7,063	....	6,630	5,910	....	6,095	5,969	....	10,259	Closed
25	9,398	9,248	7,108	....	6,577	5,642	....	6,024	....	8,415	Closed	....
26	9,444	8,982	6,851	7,726	6,649	....	5,127	5,893	....	8,368	10,361	....
27	9,424	....	....	7,679	6,626	....	5,159	5,869	5,988	8,244	....	10,228
28	9,573	....	....	7,906	6,578	5,722	4,845	....	6,131	8,387	....	9,983
29	9,328	....	6,874	7,743	....	5,703	4,682	....	6,093	8,282	10,380	10,001
30	....	....	6,968	7,460	....	5,648	4,629	5,696	6,088	....	10,490	9,906
31	....	....	6,990	....	Closed	....	....	5,789	....	....	....	9,915
Average	9,109	9,462	7,468	7,444	7,048	6,133	5,165	5,272	5,817	7,596	9,689	10,344

R—Single Day Record Total

I.O.M. MONTHLY TOTAL VOLUME (All I.O.M. Contracts)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982......	—	—	—	71,660	163,925	308,794	271,349	409,078	437,920	538,458	566,671	543,118	3,452,151

S & P 500 FUTURES TRADING MONTHLY TOTAL VOLUME (All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982......	—	—	—	27,544	123,097	261,282	236,825	373,646	408,085	490,085	515,625	498,731	2,935,532

RANDOM LENGTH LUMBER FUTURES TRADING MONTHY TOTAL VOLUME (All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1969......	—	—	—	—	—	—	—	—	—	416	218	110	744
1970......	367	283	817	528	519	403	411	18,240	21,613	13,300	12,187	16,845	85,513
1971......	13,653	9,563	7,633	4,628	7,421	7,358	6,926	10,202	9,293	6,472	7,455	9,544	100,148
1972......	3,814	3,082	3,486	2,628	1,722	4,714	4,963	5,780	5,964	9,485	11,093	9,808	66,539
1973......	10,380	12,185	10,657	9,881	17,107	12,173	16,933	20,367	20,006	23,104	22,142	19,857	194,792
1974......	18,502	17,909	24,242	25,152	22,483	19,059	20,776	15,222	20,178	26,142	16,324	12,438	238,427
1975......	21,687	16,222	20,220	26,911	27,985	22,751	23,376	19,759	16,799	19,169	17,588	23,785	256,252
1976......	26,666	24,460	33,325	32,048	26,327	30,833	29,689	27,545	32,738	28,202	29,061	29,636	350,530
1977......	36,207	32,311	43,492	34,860	37,363	37,118	31,267	58,502	38,980	48,104	45,900	42,587	486,691
1978......	47,910	43,703	46,876	43,759	42,578	36,330	38,252	46,138	49,347	55,495	54,371	55,739	560,498
1979......	60,964	57,594	52,316	43,097	46,530	50,265	44,093	62,923	56,421	71,518	63,777	39,980	649,478
1980......	59,063	61,288	73,412	86,057	80,196	68,528	76,296	65,740	73,660	76,984	59,076	58,376	838,676
1981......	51,173	45,937	54,295	60,517	51,007	58,879	49,427	49,428	45,592	57,021	55,044	51,614	635,934
1982......	51,268	45,193	44,717	44,116	40,828	47,512	34,524	35,432	29,835	47,761	51,046	44,387	516,619

I.O.M. MONTHLY TOTAL VOLUME HIGH (One Day Total, All I.O.M. Contracts)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982	—	—	—	7,354	16,118	18,996	18,516	25,593	26,577	38,566	35,739	43,720	43,720

S & P 500 STOCK INDEX FUTURES MONTHLY VOLUME HIGH (One Day Total, All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982	—	—	—	4,151	14,136	16,904	15,394	23,458	25,227	36,677	33,111	41,761	41,761

RANDOM LENGTH LUMBER FUTURES MONTHLY VOLUME HIGH (One Day Total, All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1970	35	38	115	80	66	45	44	5,682	3,836	1,915	1,862	2,943	5,682
1971	3,963	1,428	1,371	389	929	803	948	1,108	1,227	1,532	1,285	1,751	3,963
1972	578	325	515	501	193	554	640	480	893	965	1,096	1,758	1,758
1973	1,110	1,057	848	762	1,579	1,021	1,679	1,288	1,642	1,819	2,125	1,750	2,125
1974	1,711	1,679	1,755	1,668	1,623	1,673	1,564	1,332	1,774	2,112	1,343	1,159	2,112
1975	1,513	1,343	1,672	1,669	2,047	1,868	1,823	1,534	1,457	1,645	1,562	1,738	2,047
1976	1,700	2,190	2,235	2,278	2,028	2,159	3,241	2,082	2,658	2,403	2,604	2,110	3,241
1977	2,624	2,611	3,729	2,392	2,978	2,680	3,318	3,536	2,836	3,696	3,252	3,133	3,729
1978	3,597	4,063	3,153	3,509	2,550	2,696	3,390	3,236	3,474	3,603	4,048	3,958	4,063
1979	4,075	4,785	3,506	3,798	3,494	3,973	3,317	4,231	5,904	5,950	5,497	3,413	5,950
1980	4,697	6,295	4,471	6,878	5,379	4,570	5,366	5,660	5,024	5,516	5,950	4,289	6,878
1981	4,419	3,456	3,610	4,139	4,731	3,778	2,803	3,300	3,025	3,352	3,896	3,818	4,731
1982	3,789	3,979	2,959	3,246	3,494	3,854	3,122	3,173	2,813	3,361	3,151	4,340	4,340

Section Four

CASH MARKETS

I.O.M. MONTH-END OPEN INTEREST (All I.O.M. Contracts)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1982......	—	—	—	9,073	13,358	15,251	20,111	19,629	18,989	20,907	27,091	21,596

S & P 500 FUTURES MONTH-END OPEN INTEREST (All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1982......	—	—	—	1,613	6,780	9,603	15,482	13,840	12,901	12,625	16,601	11,681

RANDOM LENGTH LUMBER FUTURES MONTH-END OPEN INTEREST (All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1969......	—	—	—	—	—	—	—	—	—	277	369	404
1970......	526	536	439	404	313	336	305	3,147	4,325	3,490	4,770	6,748
1971......	1,890	2,248	2,220	2,523	2,573	2,581	3,145	2,637	2,243	2,396	2,823	2,861
1972......	1,844	1,936	2,243	1,892	1,479	2,048	1,854	1,576	1,971	2,424	2,525	2,922
1973......	1,500	2,082	1,963	2,164	2,304	2,420	3,192	3,294	3,894	4,332	3,884	4,838
1974......	3,334	3,972	3,328	2,943	3,234	3,045	3,374	3,547	3,344	3,798	3,511	3,030
1975......	3,585	3,050	3,418	4,078	3,523	4,204	3,936	3,866	3,022	3,594	3,833	3,992
1976......	4,076	5,232	5,029	5,101	4,658	6,437	5,101	5,028	4,582	4,660	6,369	6,852
1977......	6,052	6,266	6,935	7,157	6,588	8,053	6,823	6,707	6,582	6,001	6,468	8,193
1978......	7,523	8,770	8,202	8,390	9,233	8,362	7,730	8,078	7,551	7,365	6,547	8,122
1979......	8,420	9,059	7,851	7,127	8,055	7,380	8,901	11,039	10,426	10,664	10,125	10,260
1980......	10,828	10,587	9,948	10,130	11,452	11,736	12,461	11,644	13,734	14,251	12,829	9,338
1981......	8,882	9,053	8,029	8,102	7,639	8,161	8,554	7,586	7,699	8,809	8,808	9,067
1982......	9,328	8,982	6,990	7,460	6,578	5,648	4,629	5,789	6,088	8,282	10,490	9,915

I.O.M. MONTHLY OPEN INTEREST HIGH (One Day Total, All I.O.M. Contracts)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982	—	—	—	9,503	14,539	16,758	21,590	20,783	20,303	22,725	27,091	27,496	27,496

S & P 500 STOCK INDEX FUTURES MONTHLY OPEN INTEREST HIGH (One Day Total, All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982	—	—	—	1,613	7,881	10,417	16,745	15,890	14,431	14,214	16,601	16,811	16,811

RANDOM LENGTH LUMBER FUTURES MONTHLY OPEN INTEREST HIGH (One Day Total, All Delivery Months)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1977	7,043	6,520	7,104	7,675	7,194	8,072	8,245	6,264	6,864	7,353	6,468	8,269	8,269
1978	8,367	9,803	8,888	9,263	9,371	9,309	8,339	8,992	8,095	8,278	7,262	8,458	9,371
1979	8,420	8,787	9,164	8,306	6,055	8,478	8,901	11,227	11,145	11,443	11,433	10,547	11,443
1980	10,830	12,806	10,980	10,301	11,990	11,866	12,461	14,136	14,012	14,841	14,056	12,525	14,841
1981	9,501	9,755	8,852	8,763	8,231	8,906	8,594	8,673	8,240	8,896	8,808	9,219	9,755
1982	9,573	9,708	8,937	7,906	7,850	6,601	5,632	6,095	6,131	8,826	10,490	10,981	10,981

S & P 500 STOCK INDEX FUTURES CONTRACTS DELIVERED ON THE I.O.M. VIA CASH SETTLEMENT

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1982......	—	—	—	—	—	539	—	—	1,172	—	—	2,837	4,548

RANDOM LENGTH LUMBER FUTURES CONTRACTS DELIVERED ON THE I.O.M. (C.M.E./A.M.M. prior to Apr 1982)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec	Annual
1970......	—	—	13	—	—	—	17	—	—	—	11	—	41
1971......	2	—	11	—	14	—	37	—	71	—	11	—	146
1972......	18	—	15	—	21	—	28	—	64	—	54	—	200
1973......	61	—	67	—	48	—	34	—	125	—	65	—	400
1974......	38	—	44	—	24	—	32	—	51	—	39	—	228
1975......	41	—	14	—	54	—	132	—	42	—	22	—	305
1976......	104	—	49	—	51	—	51	—	25	—	23	—	303
1977......	72	—	12	—	56	—	126	—	20	—	30	—	316
1978......	34	—	19	—	40	—	68	—	60	—	15	—	236
1979......	57	—	12	—	17	—	56	—	32	—	14	—	188
1980......	22	—	41	—	44	—	18	—	22	—	39	—	186
1981......	62	—	27	—	105	—	44	—	60	—	1	—	299
1982......	53	—	3	—	211	—	117	—	43	—	323	—	750

CONSOLIDATED DAILY VOLUME OF STOCKS LISTED ON THE NEW YORK STOCK EXCHANGE (IN THOUSANDS)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	47720	53010	57100	....	41650	47900	....	82830	65000	73530	107850
2	....	45020	63800	59800	....	49220	43760	53460	74740	....	104770	77600
3	....	49560	70230	....	46490	48450	....	60480	130910	....	137010	71540
4	36760	53300	74340	....	58720	44110	....	53440	....	55650	149350	....
5	47510	53350	67440	46900	58860	....	Holiday	54700	....	69770	96550	....
6	51510	....	....	43200	67540	....	44350	48660	Holiday	93570	....	83880
7	43410	....	....	53130	67130	44630	46920	....	68960	147070	....	111620
8	42050	48500	67330	60190	....	46820	63270	....	77960	122250	75240	97430
9	....	54420	76060	Holiday	....	55770	65870	54560	73090	....	111220	90320
10	....	46620	59440	....	46300	50950	....	52680	71080	....	113240	86430
11	51900	46730	52960	....	54680	68610	....	49040	....	138530	78410	....
12	49800	37070	49600	46520	59210	....	74690	50080	....	126310	95080	....
13	49130	....	....	48660	58230	....	66170	44720	59520	139800	....	63140
14	42940	....	....	45150	49900	40100	58160	....	83070	107530	....	98380
15	43310	Holiday	43370	45700	....	44970	61090	....	69680	80290	78900	81030
16	....	48880	50240	55890	....	56280	58740	55420	78900	....	102910	73680
17	....	47660	48900	....	45600	49230	....	92860	63950	....	84440	76010
18	44920	60810	54270	....	48970	53800	....	132690	....	83790	77620	....
19	45700	51360	46250	58470	48840	....	53030	78270	....	100850	70310	....
20	48860	....	....	54610	48330	....	61060	95890	58520	98680	....	62210
21	48610	....	....	57820	45260	50370	66770	....	82920	122460	....	78010
22	44370	58310	57610	64470	....	55290	53870	....	113150	101120	74960	83470
23	....	60100	67130	71840	....	62710	47280	110310	68260	....	72920	62880
24	....	64800	49380	....	38510	55860	....	121650	54600	....	67220	Holiday
25	43170	54160	51970	....	44010	38740	....	106200	....	83720	Holiday	....
26	52440	43840	42400	60500	51250	....	37740	137330	....	102080	38810	....
27	50060	....	....	56480	44730	....	45740	74410	44840	81670	....	64690
28	66690	....	....	59630	43900	40700	53830	....	65900	73590	....	58610
29	73400	....	37100	51330	....	46990	55680	....	62550	74830	61080	54810
30	....	....	43900	48200	....	65280	39270	59560	62610	....	93470	56380
31	....	....	43300	....	Holiday	....	....	86360	....	....	....	42110

CONSOLIDATED DAILY VOLUME OF STOCKS LISTED ON THE NEW YORK STOCK EXCHANGE (IN THOUSANDS)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	54880	48360	62170	49080	....	45110	41600	....	53980
2	28870	44070	47710	52570	....	53930	45100	....	37570	54540	65100	44510
3	....	45950	48730	48680	....	54700	Holiday	39650	41730	....	54620	43770
4	....	45520	47260	....	40430	48940	....	39460	42760	....	53450	55040
5	58710	45320	45380	....	49000	47180	....	54290	....	51290	50860	....
6	67400	45820	43940	43190	47100	....	44590	52070	....	45800	43270	....
7	92890	....	....	44540	42590	....	53560	38370	Holiday	50030	....	45720
8	55530	....	....	48000	41860	41580	46000	....	47340	47090	....	45140
9	50190	38330	46180	59520	....	44600	45510	....	44290	50060	48310	44810
10	....	40820	56610	58130	....	53200	39950	38370	47430	....	53940	47020
11	....	37770	47390	....	37640	59530	....	52600	42170	....	41920	45850
12	48760	34700	54640	....	40440	60790	....	53650	....	30030	55720	....
13	40890	33360	68290	49860	42600	....	38100	42460	....	43070	45550	....
14	41390	....	....	48350	42750	....	45230	42580	34040	40260	....	44740
15	39640	....	....	56040	45460	63350	48950	....	38580	42830	....	44130
16	43260	Holiday	49940	52950	....	57780	39010	....	43660	37800	43740	42370
17	....	47940	65920	Holiday	....	55470	42780	40840	48300	....	43190	47230
18	....	40410	55740	....	42510	48400	....	47270	47350	....	49980	50940
19	36470	41630	62440	....	42220	46430	....	39390	....	41590	48890	....
20	41750	41900	61980	51020	42370	....	40240	38270	....	51530	52010	....
21	39190	....	....	60280	46820	....	47280	37670	44570	48820	....	41290
22	39880	....	....	60660	40710	41790	47500	....	46830	40630	....	48320
23	37220	39590	57880	64200	....	51840	41790	....	52700	41990	45250	42910
24	....	43960	66400	60000	....	46650	38880	46750	48880	....	53200	23940
25	....	45710	56320	....	Holiday	43920	....	54600	54390	....	58570	Holiday
26	35380	60300	60370	....	42760	39240	....	39980	....	38210	Holiday	....
27	42260	53210	46930	51080	58730	....	39610	43900	....	53030	32770	....
28	36690	....	....	58210	59500	....	38160	38020	61320	48100	....	28320
29	38170	....	....	53340	51580	37930	37610	....	49800	40070	....	35300
30	41160	....	33500	47970	....	41550	41560	....	40700	59570	47580	42960
31	....	....	50980	....	....	....	43480	40360	....	....	....	40780

CONSOLIDATED DAILY VOLUME OF STOCKS LISTED ON THE NEW YORK STOCK EXCHANGE (IN THOUSANDS)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	46610	....	32230	32480	....	34340	46440	Holiday	48720	....	48180
2	40610	....	....	35210	28040	32710	42950	....	35290	46160	....	52340
3	50480	....	38690	27970	....	33150	47230	....	52370	47510	35820	43430
4	39130	43070	44310	Holiday	....	44180	Holiday	41550	59030	....	Holiday	51170
5	....	41880	49240	....	34090	49070	....	45510	37990	....	24080	51990
6	....	51950	49610	....	40160	37230	....	45050	....	50130	48890	....
7	44500	57690	50950	29130	42600	....	42540	61820	....	50310	40070	....
8	53390	57860	....	31700	39280	....	45830	58860	42050	46580	....	53390
9	65260	....	....	33020	30280	36820	52010	....	44460	43980	....	53220
10	55980	....	43750	33940	....	42030	43730	....	51430	44040	35720	49860
11	52890	58660	41350	29960	....	43800	38310	44690	44770	....	41520	60220
12	....	48090	37990	....	28220	47300	....	52050	47180	....	58500	39530
13	....	65230	33070	....	35460	41880	....	44350	....	31360	69340	....
14	52930	50540	35180	23060	40840	....	45500	47700	....	48830	71630	....
15	52320	46680	....	26670	41120	....	60920	47780	44630	48260	....	39700
16	67700	....	....	39730	31710	36190	49140	....	57290	65450	....	41630
17	54120	....	65920	32770	....	41990	48850	....	63990	43920	50260	50800
18	47150	Holiday	47340	26880	....	41960	58040	41890	63390	....	70380	69570
19	....	39480	36520	....	30970	38280	....	41930	53780	....	69230	50770
20	....	44340	32580	....	31800	36530	....	42560	....	40910	60180	....
21	48040	51530	35840	24560	34830	....	42750	50770	....	51220	55950	....
22	50620	48210	....	47920	41040	....	52230	58210	53140	43060	....	51950
23	50730	....	....	42620	45790	34180	45890	....	64390	49200	....	55260
24	59070	....	39230	35790	....	37730	42420	....	56860	41050	51120	29490
25	47100	39140	43790	28590	....	46500	36250	35400	49510	....	55840	Holiday
26	....	40000	37375	....	Holiday	52780	....	41700	49460	....	55340	16130
27	....	46430	63680	....	40810	33110	....	44000	....	34430	Holiday	....
28	53620	40330	46720	30600	38580	....	35330	39890	....	40300	34240	....
29	55480	38810	....	27940	42000	....	44840	33510	46410	37200	....	36060
30	51170	....	....	30850	34820	29910	58060	....	40290	39060	....	39750
31	65900	....	35840	....	....	....	54610	....	....	40110	....	41210

CONSOLIDATED DAILY VOLUME OF STOCKS LISTED ON THE NEW YORK STOCK EXCHANGE (IN THOUSANDS)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	27930	23830	....	31040	24560	....	36570	....	24980	25880	....
2	18340	25350	23130	28990	30510	....	32060	37720	....	38310	23670	....
3	29180	....	....	33530	30870	....	31670	28160	Holiday	36470	....	29030
4	33290	....	....	41940	30630	24040	Holiday	....	37490	38800	....	33510
5	28890	26490	25690	34520	....	35050	30290	....	41650	48250	20470	39300
6	....	23570	24490	34710	....	39830	38570	27190	30330	....	21960	37510
7	....	28450	28930	....	30480	43380	....	45410	34360	....	30830	42370
8	21440	23360	32000	....	32720	31470	....	44970	....	32610	26270	....
9	27200	24320	33410	27230	27670	....	42460	34630	....	55560	30060	....
10	24990	....	....	31900	25230	....	39730	36740	32980	55560	....	32270
11	24580	....	....	32900	24010	28270	36650	....	42530	47530	....	36160
12	37120	20610	25740	26780	....	45450	31780	....	39350	36390	26640	34630
13	....	28470	31170	Holiday	....	40740	33080	41980	35240	....	29240	36690
14	....	27220	24630	....	22450	37850	....	40910	41980	....	30970	41800
15	27520	22550	29370	....	26190	32930	....	46130	....	34850	32380	....
16	30340	21110	31770	28050	28350	....	26620	47000	....	33770	30060	....
17	25310	....	....	29260	30550	....	34270	31630	37610	29650	....	43830
18	27260	....	....	29510	26590	30970	35950	....	38750	29590	....	43310
19	26800	Holiday	34620	31150	....	30780	26780	....	35370	42430	33090	41780
20	....	22010	27180	28830	....	33790	26360	32300	45100	....	35010	40380
21	....	26050	31120	....	25550	36490	....	38860	52380	....	37020	36160
22	24390	26290	34380	....	30400	36410	....	38450	....	45250	Holiday	....
23	30130	22750	33570	25610	30390	....	26860	35710	....	32910	23300	....
24	31730	....	....	35540	25710	....	29690	32730	33790	31480	....	19150
25	31440	....	....	31750	27810	31330	34890	....	32410	28440	....	Holiday
26	34230	22620	23430	32400	....	34680	32270	....	37700	29660	47940	25040
27	....	31470	32940	29610	....	36720	27760	32050	33110	....	45140	31410
28	....	25090	39920	....	Holiday	38470	....	29430	35950	....	39690	34430
29	24170	....	28510	....	27040	34690	....	30810	....	22720	33550	....
30	26910	....	29970	26440	29250	....	28640	29300	....	28890	30480	....
31	30330	....	....	....	30300	....	34360	26370	....	27780	....	31530

CONSOLIDATED DAILY VOLUME OF STOCKS LISTED ON THE NEW YORK STOCK EXCHANGE (IN THOUSANDS)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	22240	21010	....	37020	28750	....	34810	35070	....	50450	26830
2	Holiday	23050	20280	....	41400	31860	....	47470	....	18700	41030	....
3	17720	19400	20120	20230	37560	....	11560	65400	....	22540	25990	....
4	24090	....	....	20130	37520	....	Holiday	37910	Holiday	25090	....	22020
5	23570	....	....	27260	42680	39580	23740	....	32170	27820	....	25670
6	26150	11630	17230	27360	....	51970	24990	....	42600	27380	20450	29680
7	....	14730	19900	25160	....	33060	23480	33350	40310	....	25320	21170
8	....	21300	22030	....	34680	39380	....	34290	42170	....	23560	18560
9	27990	17940	21820	....	30860	32470	....	48800	....	19720	23320	....
10	25180	19480	27090	25740	33330	....	22470	39760	....	25470	16750	....
11	22880	....	....	24300	36630	....	27470	33550	39670	21740	....	21000
12	22730	....	....	26210	46600	29440	26640	....	34400	30170	....	22210
13	18010	16810	24070	31580	....	30760	23620	....	43340	21920	20960	22480
14	....	20470	24300	52280	....	37290	28370	32320	37400	....	30610	20840
15	....	20170	23340	....	33890	29280	....	29760	37290	....	26280	23620
16	18760	21570	25400	....	48170	27690	....	36120	....	24600	21340	....
17	19360	18500	28470	63500	45490	....	29180	45270	....	37870	25170	....
18	21390	....	....	38950	42270	....	22860	34650	35860	32940	....	32900
19	21500	....	....	35060	34360	25500	30850	....	31660	35850	....	25960
20	7580	Holiday	28360	43230	....	27920	33340	....	35080	43670	24440	26520
21	....	21890	24410	31540	....	29100	26060	29450	33640	....	20750	28670
22	....	18450	21950	....	28680	27160	....	29620	27960	....	20010	23790
23	19380	18720	21290	....	33230	28530	....	39630	....	36090	Holiday	....
24	18690	22510	Holiday	34510	31450	....	23280	38500	....	28880	14590	....
25	18690	....	....	55800	28410	....	25400	36190	20970	31380	....	Holiday
26	19600	....	....	44430	21410	29250	36830	....	26330	31990	....	21470
27	17600	19990	18870	35470	....	29280	33970	....	28370	39660	19790	23580
28	....	19750	21600	32850	....	23260	33390	31760	24330	....	22740	25440
29	....	....	25450	....	Holiday	21660	....	33780	23610	....	21160	30030
30	17400	....	20460	....	21040	18110	....	37750	....	59480	19900	....
31	19870	....	20130	....	29070	....	33990	33850	....	42880	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

(HIGH and LOW Based on Computation of the Index Once a Minute during Trading, Using 500 Current Stock Prices)

	JANUARY			FEBRUARY			MARCH		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	....	....	....	....	....	....
2	....	....	....	....	....	....	....	....	....
3	....	....	....	....	....	....	....	....	....
4	....	....	....	....	....	....	....	....	....
5	....	....	....	....	....	....	....	....	....
6	....	....	....	....	....	....	....	....	....
7	....	....	....	....	....	....	....	....	....
8	....	....	....	....	....	....	....	....	....
9	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....
11	....	....	....	....	....	....	....	....	....
12	....	....	....	....	....	....	....	....	....
13	....	....	....	....	....	....	....	....	....
14	....	....	....	....	....	....	....	....	....
15	....	....	....	....	....	....	....	....	....
16	....	....	....	....	....	....	....	....	....
17	....	....	....	....	....	....	....	....	....
18	....	....	....	....	....	....	....	....	....
19	....	....	....	....	....	....	....	....	....
20	....	....	....	....	....	....	....	....	....
21	....	....	....	....	....	....	....	....	....
22	....	....	....	....	....	....	....	....	....
23	....	....	....	....	....	....	....	....	....
24	....	....	....	....	....	....	....	....	....
25	....	....	....	....	....	....	....	....	....
26	....	....	....	....	....	....	....	....	....
27	....	....	....	....	....	....	....	....	....
28	....	....	....	....	....	....	....	....	....
29	....	....	....	....	....	....	....	....	....
30	....	....	....	....	....	....	....	....	....
31	....	....	....	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

(HIGH and LOW Based on Computation of the Index Once a Minute during Trading, Using 500 Current Stock Prices)

	APRIL			MAY			JUNE		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	....	....	....	112.07	111.66	111.68
2	....	....	....	....	....	....	112.19	111.55	112.04
3	....	....	....	116.82	115.91	116.81	112.48	111.45	111.86
4	....	....	....	117.64	116.85	117.46	111.85	110.02	110.09
5	....	....	....	118.05	117.31	117.67	....	....	....
6	....	....	....	118.83	117.68	118.68	....	....	....
7	....	....	....	119.89	118.71	119.47	110.59	109.42	110.12
8	....	....	....	....	....	....	110.33	109.60	109.63
9	....	....	....	....	....	....	109.63	108.53	108.99
10	....	....	....	119.49	118.37	118.38	109.70	108.96	109.61
11	....	....	....	119.59	118.32	119.42	111.48	109.65	111.24
12	....	....	....	119.92	118.76	119.17	....	....	....
13	....	....	....	119.20	118.13	118.22	....	....	....
14	....	....	....	118.40	118.01	118.01	111.22	109.90	109.96
15	....	....	....	....	....	....	109.96	108.98	109.69
16	....	....	....	....	....	....	110.13	108.82	110.87
17	....	....	....	118.02	116.66	116.71	108.85	107.48	107.60
18	....	....	....	116.70	115.71	115.84	107.60	107.07	107.28
19	....	....	....	115.96	114.82	114.89	....	....	....
20	....	....	....	115.07	114.37	114.59	....	....	....
21	116.58	114.44	115.72	115.13	114.60	114.89	107.88	107.01	107.20
22	117.25	115.72	117.19	....	....	....	108.30	107.17	108.30
23	118.64	117.19	118.64	....	....	....	110.14	108.09	110.14
24	....	....	....	114.86	114.24	114.79	110.92	109.79	109.83
25	....	....	....	115.51	114.39	114.40	109.83	109.09	109.14
26	119.33	118.25	119.26	114.40	112.88	113.11	....	....	....
27	119.26	117.73	118.00	113.12	112.58	112.66	....	....	....
28	118.05	116.94	117.26	112.80	111.66	111.88	110.45	109.17	110.26
29	117.24	116.11	116.13	....	....	....	110.57	109.68	110.21
30	116.78	116.07	116.44	....	....	....	111.00	109.50	109.61
31	....	....	....	Holiday			....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

(HIGH and LOW Based on Computation of the Index Once a Minute during Trading, Using 500 Current Stock Prices)

	JULY			AUGUST			SEPTEMBER		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	109.63	108.62	108.71	....	....	....	120.05	117.98	118.25
2	108.71	107.60	107.65	109.09	107.11	108.98	120.32	117.84	120.28
3	....	....	....	109.43	107.81	107.83	123.64	120.31	122.68
4	....	....	....	107.83	106.11	106.14	....	....	....
5	Holiday			106.10	104.76	105.16	....	....	....
6	107.67	106.74	107.29	105.16	103.67	103.71	Holiday		
7	107.61	106.99	107.22	....	....	....	122.68	121.19	121.37
8	107.53	105.57	107.53	....	....	....	123.11	121.19	122.20
9	108.97	107.56	108.83	103.69	102.20	103.08	123.22	121.90	121.97
10	....	....	....	103.84	102.82	102.84	121.98	120.27	120.97
11	....	....	....	103.01	102.48	102.60	....	....	....
12	109.62	108.89	109.57	103.22	102.39	102.42	....	....	....
13	110.07	109.19	109.45	103.85	102.40	103.85	122.24	120.25	122.24
14	110.44	109.08	110.44	....	....	....	123.69	122.27	123.10
15	110.95	110.27	110.47	....	....	....	124.81	122.72	124.29
16	111.48	110.16	111.07	105.52	103.86	104.09	124.88	123.65	123.77
17	....	....	....	109.04	104.09	109.04	123.76	122.34	122.55
18	....	....	....	111.58	108.46	108.53	....	....	....
19	111.78	110.66	110.75	109.86	108.34	109.16	....	....	....
20	111.56	110.35	111.54	113.03	109.19	113.02	122.54	121.48	122.51
21	112.39	111.38	111.42	....	....	....	124.91	122.51	124.88
22	112.02	110.94	111.47	....	....	....	126.43	123.99	123.99
23	111.58	111.05	111.17	116.11	112.65	116.11	124.19	122.96	123.81
24	....	....	....	116.39	115.08	115.34	123.80	123.11	123.32
25	....	....	....	118.12	115.11	117.58	....	....	....
26	111.16	110.29	110.36	120.26	117.57	118.55	....	....	....
27	110.35	109.36	109.43	118.56	116.63	117.11	123.62	122.75	123.62
28	109.42	107.53	107.73	....	....	....	124.16	123.21	123.24
29	107.92	106.62	107.72	....	....	....	123.24	121.28	121.63
30	107.95	107.01	107.09	117.66	115.79	117.66	121.62	120.14	120.42
31	....	....	....	119.60	117.65	119.51	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

(HIGH and LOW Based on Computation of the Index Once a Minute during Trading,
Using 500 Current Stock Prices)

DATE	OCTOBER			NOVEMBER			DECEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	121.97	120.15	121.97	136.03	133.22	135.47	140.37	138.35	138.72
2	....	....	....	138.51	135.48	137.49	139.63	138.66	138.82
3	....	....	....	142.88	137.53	142.87	139.59	138.59	138.69
4	121.97	120.56	121.51	143.99	141.65	141.85	....	....	....
5	122.73	121.60	121.98	142.43	141.32	142.16	....	....	....
6	125.97	122.00	125.97	....	....	....	141.77	138.01	141.77
7	128.96	125.99	128.80	....	....	....	143.68	141.79	142.72
8	131.11	128.79	131.05	142.12	139.98	140.44	143.58	141.81	141.81
9	....	....	....	143.16	140.46	143.02	141.80	139.92	140.00
10	....	....	....	144.36	140.80	141.16	141.15	139.95	139.57
11	135.53	131.06	134.47	141.76	139.88	141.76	....	....	....
12	135.85	133.59	134.44	141.85	139.53	139.53	....	....	....
13	137.97	134.14	136.71	....	....	....	140.12	139.50	139.95
14	136.89	134.55	134.57	....	....	....	142.50	137.34	137.39
15	134.61	133.28	133.57	139.54	137.00	137.03	137.40	135.12	135.24
16	....	....	....	136.97	134.05	135.42	135.78	134.79	135.30
17	....	....	....	137.93	135.47	137.93	138.57	134.84	137.49
18	136.73	133.59	136.73	138.78	137.47	138.34	....	....	....
19	137.96	135.72	136.58	138.93	137.00	137.02	....	....	....
20	139.23	136.37	139.23	....	....	....	137.84	136.19	136.26
21	140.27	137.63	139.06	....	....	....	139.27	136.07	138.61
22	140.40	138.75	138.83	137.10	134.21	134.22	139.69	138.60	138.83
23	....	....	....	134.28	132.89	132.93	139.94	138.84	139.72
24	....	....	....	133.88	132.92	133.88	Holiday		
25	138.81	133.32	133.32	Holiday			....	....	....
26	134.48	131.50	134.48	134.88	133.89	134.88	....	....	....
27	135.92	134.48	135.28	....	....	....	142.32	139.72	142.18
28	135.42	133.59	133.59	....	....	....	142.34	140.75	140.77
29	134.02	132.64	133.71	135.29	133.69	134.20	141.73	140.68	141.24
30	....	....	....	138.54	134.19	138.54	141.68	140.22	140.33
31	....	....	....	....	....	....	140.78	140.27	140.64

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

	JANUARY			FEBRUARY			MARCH		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	Holiday			119.81	117.14	117.78	114.32	111.86	113.31
2	....	....	....	119.15	116.91	118.01	114.80	112.03	112.68
3	....	....	....	118.67	116.04	116.48	112.51	109.98	110.92
4	123.72	121.48	122.74	117.49	114.88	116.42	111.78	108.77	109.88
5	122.61	119.57	120.05	118.26	115.74	117.26	110.90	108.31	109.34
6	120.45	117.99	119.18	....	....	....	....	....	....
7	119.86	117.70	118.93	....	....	....	....	....	....
8	120.59	118.55	119.55	117.04	114.20	114.63	111.06	107.03	107.34
9	....	....	....	115.15	112.82	113.68	109.88	106.17	108.83
10	....	....	....	115.62	113.45	114.66	110.98	108.09	109.41
11	120.34	116.47	116.78	115.59	113.41	114.43	110.87	108.38	109.36
12	117.49	115.18	116.30	115.39	113.70	114.38	109.72	107.46	108.61
13	117.46	114.24	114.88	....	....	....	....	....	....
14	116.30	114.07	115.54	....	....	....	....	....	....
15	117.14	115.10	116.33	Holiday			109.99	107.47	109.45
16	....	....	....	114.63	112.06	114.06	110.92	108.57	109.28
17	....	....	....	115.09	112.97	113.69	110.10	108.11	109.08
18	117.69	114.85	117.22	115.04	112.97	113.82	111.02	108.85	110.30
19	118.15	115.52	115.97	114.58	112.33	113.22	111.59	109.64	110.61
20	116.64	114.29	115.27	....	....	....	....	....	....
21	116.92	114.60	115.75	....	....	....	....	....	....
22	116.53	114.56	115.38	114.90	111.20	111.59	113.35	110.71	112.77
23	....	....	....	112.46	110.03	111.51	114.51	112.29	113.55
24	....	....	....	113.88	110.71	113.47	114.31	112.23	112.97
25	115.93	113.63	115.41	114.86	112.44	113.21	114.26	112.02	113.21
26	116.60	114.49	115.19	114.01	112.04	113.11	113.43	111.26	111.94
27	116.60	114.38	115.74	....	....	....	....	....	....
28	119.35	116.10	118.92	....	....	....	....	....	....
29	121.38	118.64	120.40	....	....	....	112.82	110.90	112.30
30	....	....	....	....	....	....	113.09	111.30	112.27
31	....	....	....	....	....	....	113.17	111.32	111.96

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

	APRIL			MAY			JUNE		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	114.22	111.48	113.79	.....	.....	.....	112.75	110.96	111.68
2	115.79	113.65	115.12	.....	.....	.....	112.82	110.95	112.04
3	.....	.....	.....	117.39	115.36	116.81	113.05	110.98	111.86
4	.....	.....	.....	118.37	116.43	117.46	112.15	109.64	110.09
5	115.90	113.94	114.73	118.74	116.66	117.67	.....	.....	.....
6	115.92	113.70	115.36	119.62	117.72	118.68	.....	.....	.....
7	116.45	114.58	115.46	120.55	118.21	119.47	111.05	106.85	110.12
8	116.94	114.94	116.22	.....	.....	.....	110.91	109.03	109.63
9	Holiday			.....	.....	.....	110.14	108.07	108.99
10	.....	.....	.....	119.73	117.80	118.38	110.30	108.28	109.61
11	.....	.....	.....	120.13	117.86	119.42	112.19	110.12	111.24
12	117.02	115.16	116.00	120.47	118.23	119.17	.....	.....	.....
13	117.12	115.16	115.99	119.76	117.70	118.22	.....	.....	.....
14	116.69	114.80	115.83	119.07	117.39	118.01	111.32	109.41	109.96
15	116.86	115.02	116.35	.....	.....	.....	110.34	108.57	109.69
16	117.70	115.68	116.81	.....	.....	.....	110.62	108.30	108.87
17	.....	.....	.....	118.20	116.25	116.71	108.87	106.96	107.60
18	.....	.....	.....	117.01	115.18	115.84	108.24	106.51	107.28
19	118.16	115.83	116.70	116.46	114.37	114.89	.....	.....	.....
20	117.14	114.83	115.44	115.64	113.73	114.59	.....	.....	.....
21	116.58	114.44	115.72	115.75	113.99	114.89	108.39	106.33	107.20
22	117.97	115.67	117.19	.....	.....	.....	108.76	106.51	108.30
23	119.30	117.08	118.64	.....	.....	.....	110.54	107.61	110.14
24	.....	.....	.....	115.53	113.70	114.79	111.39	109.07	109.83
25	.....	.....	.....	116.06	114.06	114.40	110.44	108.50	109.14
26	120.07	117.75	119.26	114.40	112.44	113.11	.....	.....	.....
27	119.65	117.35	118.00	113.69	111.99	112.66	.....	.....	.....
28	118.59	116.42	117.26	113.23	111.19	111.88	110.97	108.74	110.26
29	117.42	115.56	116.13	.....	.....	.....	111.27	109.00	110.21
30	117.37	115.44	116.44	.....	.....	.....	NA	NA	109.61
31	.....	.....	.....	Holiday			.....	.....	.....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

	JULY			AUGUST			SEPTEMBER		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	110.13	108.07	108.71	....	....	....	120.74	117.41	118.25
2	108.86	106.88	107.65	109.55	107.01	108.98	120.90	117.16	120.28
3	....	....	....	110.05	107.41	107.83	124.83	121.01	122.68
4	....	....	....	107.73	105.59	106.14	....	....	....
5	Holiday			106.35	104.23	105.16	....	....	....
6	108.27	106.18	107.29	105.74	103.29	103.71	Holiday		
7	108.20	106.21	107.22	....	....	....	123.30	120.39	121.37
8	108.08	105.12	107.53	....	....	....	123.65	120.45	122.20
9	109.68	107.26	108.83	103.76	101.44	103.08	123.85	121.00	121.97
10	....	....	....	104.37	102.30	102.84	122.17	119.58	120.97
11	....	....	....	103.62	101.82	102.60	....	....	....
12	110.84	108.10	109.57	103.85	101.80	102.42	....	....	....
13	110.69	108.42	109.45	104.27	101.88	103.85	122.66	119.60	122.24
14	111.00	108.44	110.44	....	....	....	124.50	121.80	123.10
15	111.75	109.54	110.47	....	....	....	124.69	122.06	124.29
16	112.14	109.50	111.07	106.21	103.56	104.09	125.59	122.89	123.77
17	....	....	....	109.33	104.32	109.04	124.27	121.82	122.55
18	....	....	....	112.78	107.95	108.53	....	....	....
19	112.35	110.08	110.73	110.67	107.35	109.16	....	....	....
20	112.24	109.69	111.54	113.49	109.33	113.02	123.25	120.81	122.51
21	113.12	110.68	111.42	....	....	....	125.27	122.16	124.88
22	112.58	110.21	111.47	....	....	....	127.31	123.56	123.99
23	112.41	110.25	111.17	116.69	111.98	116.11	124.92	122.21	123.81
24	....	....	....	117.53	114.08	115.34	124.44	122.36	123.32
25	....	....	....	118.78	114.56	117.58	....	....	....
26	111.53	109.73	110.36	121.23	117.05	118.55	....	....	....
27	111.01	108.90	109.43	118.89	115.94	117.11	124.20	122.08	123.62
28	109.50	107.09	107.73	....	....	....	124.91	122.58	123.24
29	108.65	106.21	107.72	....	....	....	123.47	120.71	121.63
30	108.46	106.59	107.09	118.17	115.15	117.66	121.90	119.45	120.42
31	....	....	....	120.45	117.11	119.51	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1982

	OCTOBER			NOVEMBER			DECEMBER		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	122.46	119.13	121.97	136.03	132.54	135.47	141.24	137.31	138.72
2	....	....	....	139.31	135.72	137.49	140.56	137.64	138.82
3	....	....	....	143.51	137.38	142.87	140.57	137.74	138.69
4	122.22	119.91	121.51	145.33	140.66	141.85	....	....	....
5	123.42	121.00	121.98	143.59	140.25	142.16	....	....	....
6	126.33	121.82	125.97	....	....	....	142.55	137.18	141.77
7	130.27	126.80	128.81	....	....	....	144.63	140.74	142.72
8	132.06	127.22	131.05	142.02	138.33	140.44	144.65	140.82	141.81
9	....	....	....	144.03	139.86	143.02	142.67	138.27	140.00
10	....	....	....	145.19	140.16	141.16	142.09	138.17	139.57
11	136.44	131.78	134.47	142.38	138.78	141.76	....	....	....
12	137.02	132.35	134.44	142.74	138.76	139.53	....	....	....
13	138.88	133.43	136.71	....	....	....	141.19	138.45	139.95
14	138.01	133.86	134.57	....	....	....	143.00	136.79	137.39
15	135.30	132.05	133.57	138.90	135.79	137.03	137.89	134.16	135.24
16	....	....	....	137.28	132.98	135.42	137.01	133.76	135.30
17	....	....	....	138.97	135.66	137.93	138.57	134.84	137.49
18	137.47	133.23	136.73	139.60	136.68	138.34	....	....	....
19	138.81	134.93	136.58	139.77	136.33	137.02	....	....	....
20	139.68	135.47	139.23	....	....	....	138.82	135.40	136.26
21	141.40	136.76	139.06	....	....	....	139.41	135.09	138.61
22	141.40	137.48	138.83	137.49	133.74	134.22	140.86	137.30	138.83
23	....	....	....	135.12	132.09	132.93	140.98	138.07	139.72
24	....	....	....	134.87	132.15	133.88	Holiday		
25	136.97	132.54	133.32	Holiday			....	....	....
26	135.29	130.74	134.48	135.63	133.52	134.88	....	....	....
27	136.95	133.56	135.28	....	....	....	143.02	139.15	142.18
28	136.20	132.97	133.59	....	....	....	143.14	140.06	140.77
29	134.82	131.67	133.71	135.99	133.04	134.20	142.49	139.71	141.24
30	....	....	....	138.98	133.45	138.54	142.46	139.57	140.33
31	....	....	....	....	....	....	141.73	139.45	140.64

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1981

DATE	JANUARY			FEBRUARY			MARCH		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	Holiday			....	....	....	....	....	....
2	137.10	134.31	136.34	129.48	125.82	126.91	132.96	130.15	132.01
3	....	....	....	128.92	125.89	128.46	132.72	129.86	130.56
4	....	....	....	129.71	127.29	128.59	132.07	129.57	130.86
5	139.24	135.86	137.97	130.49	127.99	129.63	131.82	129.25	129.93
6	140.32	135.78	138.12	131.81	129.03	130.60	131.18	128.56	129.85
7	136.02	132.30	135.08	....	....	....	....	....	....
8	136.10	131.98	133.06	....	....	....	....	....	....
9	134.78	131.71	133.48	131.39	128.61	129.27	131.94	129.39	131.12
10	....	....	....	130.19	128.05	129.24	132.64	129.72	130.46
11	....	....	....	129.92	127.60	128.24	131.20	128.72	129.95
12	135.88	132.79	133.52	128.95	126.78	127.48	133.56	129.76	133.19
13	134.27	131.69	133.29	128.34	126.04	126.98	135.53	132.39	133.11
14	135.05	132.65	133.47	....	....	....	....	....	....
15	135.15	132.44	134.22	....	....	....	....	....	....
16	135.91	133.35	134.77	Holiday			135.35	132.17	134.68
17	....	....	....	128.75	126.43	127.81	136.09	132.80	133.92
18	....	....	....	129.25	127.09	128.48	135.66	132.80	134.22
19	135.86	133.51	134.37	129.07	125.98	126.61	135.37	132.37	133.46
20	135.30	131.26	131.65	127.65	124.66	126.58	135.29	132.50	134.08
21	132.48	129.93	131.36	....	....	....	....	....	....
22	132.08	129.23	130.26	....	....	....	....	....	....
23	131.34	129.00	130.23	128.28	125.69	127.35	136.50	133.41	135.69
24	....	....	....	128.76	126.49	127.39	137.40	134.10	134.67
25	....	....	....	129.21	125.77	128.52	137.32	133.92	137.11
26	131.18	128.57	129.84	130.93	128.02	130.10	138.38	135.29	136.27
27	131.95	129.32	131.12	132.02	129.35	131.27	136.89	133.91	134.65
28	132.41	129.62	130.34	....	....	....	....	....	....
29	131.78	128.97	130.24	....	....	....	....	....	....
30	131.65	128.61	129.55	....	....	....	135.87	133.51	134.28
31	....	....	....	....	....	....	137.15	134.68	136.00

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1981

	APRIL			MAY			JUNE		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	137.56	135.04	136.57	134.17	131.43	132.72	134.62	131.49	132.41
2	137.72	135.16	136.32	....	....	....	132.96	129.84	130.62
3	137.04	134.67	135.49	....	....	....	131.37	128.77	130.71
4	....	....	....	131.78	129.61	130.67	132.21	129.72	130.96
5	....	....	....	131.33	128.93	130.32	132.98	130.17	132.22
6	135.34	132.91	133.93	132.38	130.09	130.78	....	....	....
7	135.27	132.96	133.91	132.41	130.21	131.67	....	....	....
8	135.34	133.26	134.31	132.89	130.84	131.66	133.68	131.29	132.24
9	135.80	132.59	134.67	....	....	....	133.30	130.94	131.97
10	136.23	133.18	134.51	....	....	....	133.49	131.04	132.32
11	....	....	....	132.23	129.11	129.71	134.31	131.58	133.75
12	....	....	....	131.17	128.78	130.72	135.09	132.40	133.49
13	134.91	132.24	133.15	131.96	129.53	130.55	....	....	....
14	134.03	131.58	132.68	132.15	129.91	131.28	....	....	....
15	134.79	132.20	134.17	133.21	130.75	132.17	135.67	132.78	133.61
16	135.82	133.43	134.70	....	....	....	134.24	131.29	132.15
17	Holiday			....	....	....	133.98	130.81	133.32
18	....	....	....	133.65	131.49	132.54	133.98	130.94	131.64
19	....	....	....	133.22	130.78	132.09	133.27	130.49	132.27
20	136.25	133.19	135.45	133.03	130.59	132.00	....	....	....
21	136.38	133.49	134.23	133.03	130.70	131.75	....	....	....
22	135.54	132.72	134.14	132.65	130.42	131.33	133.54	131.10	131.95
23	135.90	132.90	133.94	....	....	....	133.96	131.16	133.35
24	136.00	132.88	135.14	....	....	....	133.90	131.65	132.66
25	....	....	....	Holiday			134.30	131.78	132.81
26	....	....	....	133.30	130.64	132.77	133.75	131.71	132.56
27	136.56	134.13	135.48	134.65	131.85	133.77	....	....	....
28	136.09	133.10	134.33	134.92	132.00	133.45	....	....	....
29	134.69	131.82	133.05	134.36	131.52	122.59	133.50	131.20	131.89
30	134.44	131.85	132.81	....	....	....	132.67	130.31	131.21
31	....	....	....	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1981

DATE	JULY			AUGUST			SEPTEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	131.69	129.04	129.77	....	....	....	123.92	121.59	123.02
2	130.48	127.84	128.64	....	....	....	124.58	122.54	123.49
3	Holiday			131.74	129.42	130.48	124.16	120.82	121.24
4	....	....	....	131.86	129.43	131.18	121.54	119.24	120.07
5	....	....	....	133.39	130.76	132.67	....	....	....
6	128.99	126.44	127.37	134.04	131.74	132.64	....	....	....
7	129.60	126.39	128.24	133.04	130.96	131.75	Holiday		
8	129.57	126.95	128.32	....	....	....	120.12	116.85	117.98
9	130.08	127.57	129.30	....	....	....	119.49	116.87	118.40
10	130.43	128.38	129.37	133.32	130.83	132.54	122.18	118.33	120.14
11	....	....	....	134.63	132.09	133.85	122.13	119.29	121.61
12	....	....	....	135.18	132.73	133.40	....	....	....
13	130.82	128.79	129.64	134.58	132.53	133.51	....	....	....
14	130.78	128.14	129.65	134.33	131.91	132.49	122.00	119.67	120.66
15	131.59	128.89	130.23	....	....	....	121.77	119.27	119.77
16	131.41	129.30	130.34	....	....	....	120.00	117.89	118.87
17	131.60	129.49	130.76	133.02	130.75	131.22	119.87	116.63	117.15
18	....	....	....	131.73	129.10	130.11	117.69	115.16	116.26
19	....	....	....	131.20	128.99	130.49	....	....	....
20	130.60	127.98	128.72	131.74	129.84	130.69	....	....	....
21	129.60	127.08	128.34	131.06	128.70	129.23	118.07	115.04	117.24
22	129.72	126.70	127.13	....	....	....	118.19	115.93	116.68
23	128.26	125.96	127.40	....	....	....	116.68	113.60	115.65
24	129.31	127.11	128.46	128.59	125.02	125.50	117.47	114.32	115.01
25	....	....	....	125.77	123.00	125.13	114.69	111.64	112.77
26	....	....	....	126.17	123.99	124.96	....	....	....
27	130.67	128.43	129.90	125.31	122.90	123.51	....	....	....
28	130.44	128.28	129.14	125.09	122.85	124.08	115.83	110.19	115.53
29	130.39	128.37	129.16	....	....	....	117.75	114.75	115.94
30	130.68	128.56	130.01	....	....	....	117.05	114.60	116.18
31	131.78	129.60	130.92	125.58	122.29	122.79	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1981

DATE	OCTOBER			NOVEMBER			DECEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	117.66	115.00	117.08	....	....	....	127.30	124.84	126.10
2	120.16	117.07	119.36	125.14	122.35	124.20	126.45	124.16	124.69
3	....	....	....	125.52	123.14	124.80	125.84	123.63	125.12
4	....	....	....	126.00	123.64	124.74	127.32	125.12	126.26
5	121.54	118.61	119.51	125.80	122.96	123.54	....	....	....
6	121.39	118.08	119.39	124.03	121.85	122.67	....	....	....
7	121.87	119.09	121.31	....	....	....	126.91	124.67	125.19
8	123.08	120.23	122.31	....	....	....	125.75	123.52	124.82
9	123.28	120.63	121.45	124.13	121.59	123.29	126.08	124.09	125.48
10	....	....	....	124.69	122.01	122.70	126.54	124.60	125.71
11	....	....	....	123.62	121.51	122.92	126.28	124.32	124.93
12	122.37	120.17	121.21	124.71	122.19	123.19	....	....	....
13	122.37	119.98	120.78	123.61	121.05	121.67	....	....	....
14	120.97	118.38	118.80	....	....	....	124.37	122.17	122.78
15	120.56	118.01	119.71	....	....	....	123.78	121.83	122.99
16	120.46	118.38	119.19	121.64	119.13	120.24	123.66	121.73	122.42
17	....	....	....	121.78	119.50	121.15	123.79	121.62	123.12
18	....	....	....	121.86	119.61	120.26	124.87	122.58	124.00
19	119.85	117.58	118.98	121.67	119.42	120.71	....	....	....
20	121.29	118.78	120.28	122.59	120.13	121.71	....	....	....
21	121.94	119.35	120.10	....	....	....	124.71	122.87	123.34
22	120.78	118.48	119.64	....	....	....	124.17	122.19	122.88
23	119.92	117.78	118.60	123.11	120.76	121.60	123.59	121.58	122.31
24	....	....	....	124.04	121.22	123.51	123.06	121.57	122.54
25	....	....	....	125.29	123.07	124.05	Holiday		
26	119.00	116.81	118.16	Holiday			....	....	....
27	120.43	117.80	119.29	125.71	123.63	125.09	....	....	....
28	120.96	118.39	119.45	....	....	....	123.36	121.73	122.27
29	120.37	118.14	119.06	....	....	....	122.90	121.12	121.67
30	122.53	118.43	121.89	126.97	124.18	126.35	123.11	121.04	122.30
31	....	....	....	....	....	....	123.42	121.57	122.55

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1980

DATE	JANUARY			FEBRUARY			MARCH		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	Holiday			115.54	113.13	115.12	....	....	....
2	108.43	105.29	105.76	....	....	....	....	....	....
3	106.08	103.29	105.22	....	....	....	114.34	112.01	112.50
4	107.08	105.09	106.52	116.01	113.83	114.37	113.41	110.83	112.78
5	....	....	....	115.25	112.15	114.66	113.94	110.58	111.13
6	....	....	....	116.57	113.65	115.72	111.29	107.85	108.65
7	107.80	105.80	106.81	117.87	115.22	116.28	108.96	105.99	106.90
8	109.29	106.29	108.95	118.66	115.72	117.95	....	....	....
9	111.09	108.41	109.05	....	....	....	....	....	....
10	110.86	108.47	109.89	....	....	....	107.86	104.92	106.51
11	111.16	108.89	109.92	119.05	116.31	117.12	108.54	106.18	107.78
12	....	....	....	118.41	115.75	117.90	108.40	105.42	106.87
13	....	....	....	120.22	117.57	118.44	107.55	105.10	105.62
14	111.44	109.34	110.38	119.30	116.04	116.72	106.49	104.01	105.43
15	111.93	109.45	111.14	116.70	114.12	115.41	....	....	....
16	112.90	110.38	111.05	....	....	....	....	....	....
17	112.01	109.81	110.70	....	....	....	105.23	101.82	102.26
18	111.74	109.68	111.07	Holiday			104.71	101.14	104.10
19	....	....	....	115.67	113.35	114.60	105.72	103.35	104.31
20	....	....	....	117.18	114.06	116.47	105.17	102.52	103.12
21	112.90	110.66	112.10	117.90	114.44	115.28	103.73	101.55	102.31
22	113.10	110.92	111.51	116.48	113.43	115.04	....	....	....
23	113.93	110.93	113.44	....	....	....	....	....	....
24	115.27	112.95	113.70	....	....	....	102.18	98.88	99.28
25	114.45	112.36	113.61	114.93	112.62	113.33	100.56	97.89	99.19
26	....	....	....	114.76	112.30	113.98	101.22	98.10	98.68
27	....	....	....	115.12	111.91	112.38	99.56	94.24	98.22
28	115.65	112.93	114.85	113.70	111.33	112.35	101.43	97.72	100.68
29	115.77	113.03	114.07	114.12	111.77	113.66	....	....	....
30	115.85	113.37	115.20	....	....	....	....	....	....
31	117.17	113.78	114.16	....	....	....	102.65	100.02	102.09

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1980

DATE	APRIL			MAY			JUNE		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	103.28	100.85	102.18	106.86	104.72	105.46	....	....	....
2	103.87	101.45	102.68	106.25	104.61	105.58	112.15	110.06	110.76
3	103.34	101.31	102.15	....	....	....	111.63	109.77	110.51
4	Holiday			....	....	....	113.45	110.22	112.61
5	....	....	....	106.83	104.64	106.38	114.38	111.89	112.78
6	....	....	....	107.83	105.36	106.25	114.01	112.11	113.20
7	102.27	99.73	100.19	108.12	105.63	107.18	....	....	....
8	101.88	99.23	101.20	108.02	105.50	106.13	....	....	....
9	103.60	101.01	103.11	106.20	104.16	104.72	114.51	112.68	113.71
10	105.00	102.81	104.08	....	....	....	115.50	113.17	114.66
11	105.15	103.20	103.79	....	....	....	116.64	114.22	116.02
12	....	....	....	105.48	103.50	104.78	117.01	114.28	115.52
13	....	....	....	106.76	104.44	106.30	116.94	114.67	115.81
14	103.92	102.08	102.84	107.89	106.00	106.85	....	....	....
15	103.94	101.85	102.63	107.99	106.07	106.99	....	....	....
16	104.42	101.13	101.54	107.89	106.25	107.35	116.80	114.78	116.09
17	102.21	100.12	101.05	....	....	....	117.16	115.13	116.03
18	102.07	99.97	100.55	....	....	....	116.84	114.77	116.26
19	....	....	....	108.43	106.51	107.67	116.81	114.36	114.66
20	....	....	....	108.39	106.75	107.62	114.90	113.12	114.06
21	101.26	98.95	99.80	108.31	106.54	107.72	....	....	....
22	104.02	100.81	103.43	109.73	107.34	109.01	....	....	....
23	105.11	102.81	103.73	111.37	109.01	110.62	115.28	113.35	114.51
24	105.43	102.93	104.40	....	....	....	115.75	113.76	115.14
25	105.57	103.02	105.16	....	....	....	117.37	115.07	116.72
26	....	....	....	Holiday			117.98	115.58	116.19
27	....	....	....	112.30	110.35	111.40	116.93	115.03	116.00
28	106.79	104.64	105.64	112.72	110.42	112.06	....	....	....
29	106.70	104.86	105.86	112.64	109.86	110.27	....	....	....
30	106.72	104.50	106.29	111.55	108.87	111.24	116.04	113.66	114.24
31	....	....	....	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1980

DATE	JULY			AUGUST			SEPTEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	115.45	113.54	114.93	122.38	120.06	121.21	Holiday		
2	116.44	114.36	115.68	....	....	....	124.36	121.79	123.74
3	117.80	115.49	117.46	....	....	....	126.43	123.87	126.12
4	Holiday			121.63	119.42	120.98	127.70	124.42	125.42
5	....	....	....	122.09	119.93	120.74	126.12	124.08	124.88
6	....	....	....	122.01	119.94	121.55	....	....	....
7	118.85	116.96	118.29	123.84	121.33	123.30	....	....	....
8	119.11	117.07	117.84	125.23	122.82	123.61	125.67	122.78	123.31
9	119.62	117.10	117.98	....	....	....	124.52	121.94	124.07
10	118.57	116.38	116.95	....	....	....	125.95	123.60	124.81
11	118.38	116.29	117.84	125.31	122.85	124.78	126.48	124.19	125.66
12	....	....	....	125.78	123.29	123.79	126.75	124.72	125.54
13	....	....	....	124.67	122.49	123.28	....	....	....
14	120.37	117.45	120.01	125.62	122.68	125.25	....	....	....
15	121.56	118.85	119.30	126.61	124.51	125.72	126.35	124.09	125.67
16	120.87	118.54	119.63	....	....	....	127.78	125.15	126.74
17	121.81	119.43	121.44	....	....	....	129.62	126.57	128.87
18	123.19	120.88	122.04	125.28	122.82	123.39	130.38	127.63	128.40
19	....	....	....	124.00	121.97	122.60	130.33	127.57	129.25
20	....	....	....	124.77	121.91	123.77	....	....	....
21	123.15	120.85	122.51	125.99	123.61	125.46	....	....	....
22	123.90	121.38	122.19	127.78	125.18	126.02	130.99	127.89	130.40
23	123.26	120.93	121.93	....	....	....	132.17	128.55	129.43
24	122.98	120.83	121.79	....	....	....	131.34	128.45	130.37
25	121.96	119.94	120.78	126.28	124.32	125.16	131.53	128.13	128.72
26	....	....	....	126.29	124.01	124.84	128.17	125.29	126.35
27	....	....	....	124.98	122.93	123.52	....	....	....
28	122.02	119.78	121.43	123.91	121.61	122.08	....	....	....
29	122.99	120.76	122.40	123.04	121.06	122.38	125.41	122.87	123.54
30	123.93	121.16	122.23	....	....	....	126.09	123.54	125.46
31	122.34	119.40	121.67	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1980

DATE	OCTOBER			NOVEMBER			DECEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	127.88	124.33	127.13	....	....	....	140.66	136.75	137.21
2	128.82	126.04	128.09	....	....	....	138.11	134.37	136.97
3	130.44	127.65	129.33	129.85	127.23	129.04	138.09	135.43	136.71
4	....	....	....	Holiday			138.40	135.09	136.48
5	....	....	....	135.65	130.77	131.33	136.37	132.91	134.03
6	132.38	129.35	131.73	131.30	128.23	128.91	....	....	....
7	132.88	130.10	131.00	130.08	127.74	129.18	....	....	....
8	132.78	130.28	131.65	....	....	....	133.19	129.71	130.61
9	132.65	130.25	131.04	....	....	....	131.92	128.77	130.48
10	132.15	129.58	130.29	130.51	128.19	129.48	131.99	127.94	128.26
11	....	....	....	132.30	129.48	131.26	128.73	125.32	127.36
12	....	....	....	135.12	131.33	134.59	129.98	127.15	129.23
13	132.46	129.37	132.03	137.21	134.12	136.49	....	....	....
14	133.57	131.16	132.02	138.96	135.12	137.15	....	....	....
15	134.35	131.59	133.70	....	....	....	131.33	128.64	129.45
16	135.88	131.64	132.22	....	....	....	131.22	128.33	130.60
17	133.07	130.22	131.52	138.46	134.90	137.75	133.59	130.22	132.89
18	....	....	....	140.92	137.91	139.70	135.90	131.89	133.00
19	....	....	....	141.76	138.06	139.06	134.98	131.80	133.70
20	133.21	130.04	132.61	141.24	137.79	140.40	....	....	....
21	134.01	130.78	131.84	141.24	138.10	139.11	....	....	....
22	132.97	130.62	131.92	....	....	....	136.68	132.88	135.78
23	132.54	128.87	129.53	....	....	....	137.48	134.01	135.30
24	130.55	128.04	129.85	139.36	136.35	138.31	136.55	134.15	135.88
25	....	....	....	140.83	137.42	139.33	Holiday		
26	....	....	....	141.96	138.60	140.17	137.02	135.20	136.57
27	129.94	127.34	127.88	Holiday			....	....	....
28	128.86	126.36	128.05	141.54	139.00	140.52	....	....	....
29	129.91	127.07	127.91	....	....	....	137.51	134.36	135.03
30	128.71	125.78	126.29	....	....	....	136.51	134.04	135.33
31	128.24	125.29	127.47	....	....	....	136.76	134.29	135.76

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1979

DATE	JANUARY			FEBRUARY			MARCH		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	Holiday			100.38	99.01	99.96	97.28	95.98	96.90
2	96.96	95.22	96.73	100.52	99.10	99.50	97.55	96.44	96.97
3	98.54	96.81	97.80	....	....	....	....	....	....
4	99.42	97.52	98.58	....	....	....	....	....	....
5	99.79	98.25	99.13	99.07	97.57	98.09	98.64	97.03	98.06
6	....	....	....	98.74	97.48	98.05	98.53	97.36	97.87
7	....	....	....	98.07	96.51	97.16	99.23	97.67	98.44
8	99.30	97.83	98.80	98.11	96.82	97.65	99.82	98.10	99.58
9	99.96	98.62	99.33	98.50	97.28	97.87	100.58	99.12	99.54
10	99.75	98.28	98.77	....	....	....	....	....	....
11	99.41	97.95	99.10	....	....	....	....	....	....
12	100.91	99.32	99.93	98.55	97.05	98.20	100.04	98.56	99.67
13	....	....	....	99.58	98.25	98.93	100.66	99.13	99.84
14	....	....	....	99.64	98.21	98.87	100.43	99.23	99.71
15	101.13	99.58	100.69	99.13	97.96	98.73	100.57	99.11	99.86
16	100.88	99.11	99.46	99.23	98.11	98.67	101.16	99.53	100.69
17	100.00	98.33	99.48	....	....	....	....	....	....
18	100.35	98.91	99.72	....	....	....	....	....	....
19	100.57	99.22	99.75	Holiday			101.94	100.35	101.06
20	....	....	....	99.67	98.26	99.42	101.34	100.01	100.50
21	....	....	....	100.07	98.69	99.07	101.48	99.87	101.25
22	100.35	98.90	99.90	99.21	97.88	98.33	102.41	101.04	101.67
23	101.05	99.35	100.60	98.50	97.29	97.78	102.37	101.02	101.60
24	101.31	99.67	100.16	....	....	....	....	....	....
25	101.66	99.99	101.19	....	....	....	....	....	....
26	102.59	101.03	101.86	98.28	97.20	97.67	101.77	100.60	101.04
27	....	....	....	97.65	95.69	96.13	102.71	100.81	102.48
28	....	....	....	96.69	95.38	96.28	103.31	101.74	102.12
29	100.99	102.33	101.55	....	....	....	102.78	101.43	102.03
30	102.07	100.68	101.05	....	....	....	102.51	101.03	101.59
31	101.41	99.47	99.93	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1979

DATE	APRIL			MAY			JUNE		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	102.50	101.22	101.68	99.70	98.57	99.17
2	101.56	100.14	100.90	102.28	101.00	101.72	....	....	....
3	102.67	100.81	102.40	102.57	101.25	101.81	....	....	....
4	103.73	102.16	102.65	102.08	100.42	100.69	99.76	98.61	99.32
5	103.60	102.16	103.26	....	....	....	101.07	99.17	100.62
6	103.95	102.58	103.18	....	....	....	101.96	100.38	101.30
7	....	....	....	100.37	98.78	99.02	102.54	101.15	101.79
8	....	....	....	99.56	97.98	99.17	102.23	100.91	101.49
9	103.56	102.28	102.87	100.01	98.50	99.46	....	....	....
10	103.83	102.42	103.34	99.63	98.22	98.52	....	....	....
11	103.77	101.92	102.31	99.03	97.92	98.52	102.24	100.91	101.91
12	102.77	101.51	102.00	....	....	....	103.64	101.81	102.85
13	Holiday			....	....	....	103.58	101.83	102.31
14	....	....	....	98.95	97.71	98.06	102.63	101.04	102.20
15	....	....	....	98.90	97.60	98.14	102.78	101.38	102.09
16	102.02	100.67	101.12	98.80	97.49	98.42	....	....	....
17	101.94	100.65	101.24	100.22	98.29	99.94	....	....	....
18	102.23	100.96	101.70	100.73	99.33	99.93	102.48	101.05	101.56
19	102.40	100.88	101.28	....	....	....	102.28	100.91	101.58
20	101.81	100.46	101.23	....	....	....	102.19	100.93	101.63
21	....	....	....	100.75	99.37	100.14	102.74	101.20	102.09
22	....	....	....	100.93	99.45	100.51	103.16	101.91	102.64
23	102.00	100.68	101.57	101.31	99.63	99.89	....	....	....
24	103.02	101.39	102.20	100.44	99.14	99.93	....	....	....
25	103.07	101.79	102.50	100.68	99.52	100.22	102.91	101.45	102.09
26	102.91	101.58	102.01	....	....	....	102.80	101.22	101.66
27	102.32	101.04	101.80	....	....	....	102.95	101.29	102.27
28	....	....	....	Holiday			103.46	101.91	102.80
29	....	....	....	100.76	99.56	100.05	103.67	102.04	102.91
30	102.24	100.91	101.76	100.25	98.79	99.11	....	....	....
31	....	....	....	99.61	98.29	99.08	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1979

DATE	JULY			AUGUST			SEPTEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	104.57	103.14	104.17	....	....	....
2	103.00	101.45	101.99	105.02	103.59	104.10	....	....	....
3	102.57	101.31	102.09	104.56	103.36	104.04	Holiday		
4	Holiday			....	....	....	109.41	107.22	107.44
5	102.88	101.59	102.43	....	....	....	107.19	105.38	106.40
6	103.91	102.12	103.62	104.66	103.27	104.30	107.61	105.97	106.85
7	....	....	....	106.23	104.12	105.65	108.09	106.30	107.66
8	....	....	....	106.84	105.20	105.98	....	....	....
9	105.07	103.36	104.47	106.25	104.89	105.49	....	....	....
10	105.16	103.52	104.20	106.79	104.81	106.40	108.71	107.21	108.17
11	104.34	102.87	103.68	....	....	....	108.83	106.80	107.51
12	103.72	102.22	102.69	....	....	....	108.41	106.72	107.82
13	102.99	101.49	102.32	107.90	106.28	107.42	108.53	107.06	107.85
14	....	....	....	108.03	106.60	107.52	109.48	107.42	108.76
15	....	....	....	108.64	106.75	108.25	....	....	....
16	103.20	101.81	102.74	109.18	107.38	108.09	....	....	....
17	103.06	101.27	101.83	108.94	107.25	108.30	110.06	108.40	108.84
18	102.06	100.35	101.69	....	....	....	109.00	107.32	108.00
19	102.42	101.04	101.61	....	....	....	109.02	107.52	108.28
20	102.32	101.06	101.82	109.32	107.69	108.83	110.69	107.59	110.51
21	....	....	....	109.68	108.17	108.91	111.58	109.46	110.47
22	....	....	....	109.56	108.09	108.99	....	....	....
23	102.73	100.84	101.59	109.59	108.12	108.63	....	....	....
24	102.50	101.14	101.97	109.11	107.65	108.60	110.90	109.16	109.61
25	103.44	101.85	103.08	....	....	....	110.10	108.27	109.68
26	103.63	102.34	103.10	....	....	....	111.25	109.37	109.96
27	103.50	102.29	103.10	109.84	108.12	109.14	110.75	109.19	110.21
28	....	....	....	109.65	108.47	109.02	110.67	108.70	109.32
29	....	....	....	109.59	108.36	109.02	....	....	....
30	103.63	102.42	103.15	109.59	108.40	109.02	....	....	....
31	104.26	102.89	103.81	109.80	108.58	109.32	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1979

DATE	OCTOBER			NOVEMBER			DECEMBER		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	109.19	107.70	108.56	103.07	101.10	102.57	.....	.....	.....
2	110.08	108.03	109.59	103.21	101.92	102.51	.....	.....	.....
3	110.43	108.88	109.59	.....	.....	.....	106.65	105.07	105.83
4	110.81	109.14	110.17	.....	.....	.....	107.25	105.66	106.79
5	112.16	110.16	111.27	102.66	101.24	101.82	108.36	106.60	107.25
6	.....	.....	.....	102.01	100.77	101.20	108.47	106.71	108.00
7	.....	.....	.....	100.97	99.42	99.87	109.24	106.55	107.52
8	111.83	109.65	109.88	101.00	99.49	100.30	.....	.....	.....
9	109.43	106.04	106.63	102.18	100.58	101.51	.....	.....	.....
10	106.23	102.31	105.30	.....	.....	.....	108.27	106.65	107.67
11	106.33	103.70	105.05	.....	.....	.....	108.58	106.79	107.49
12	106.20	104.01	104.49	103.72	101.27	103.51	108.32	106.78	107.52
13	.....	.....	.....	104.21	102.42	102.94	108.29	106.68	107.67
14	.....	.....	.....	104.13	101.91	103.39	109.49	107.37	108.92
15	104.74	102.69	103.36	104.94	103.10	104.13	.....	.....	.....
16	104.37	102.52	103.19	104.72	103.79	103.79	.....	.....	.....
17	104.54	102.74	103.39	.....	.....	.....	110.33	108.36	109.33
18	104.62	102.92	103.61	.....	.....	.....	109.83	107.83	108.30
19	103.58	101.24	101.60	105.08	103.17	104.23	108.79	107.02	108.20
20	.....	.....	.....	105.11	103.14	103.69	109.24	107.40	108.26
21	.....	.....	.....	104.23	102.04	103.89	108.76	106.99	107.59
22	101.38	99.96	100.71	Holiday			.....	.....	.....
23	101.44	99.61	100.28	105.13	103.56	104.67	.....	.....	.....
24	101.45	99.66	100.44	.....	.....	.....	108.08	106.80	107.66
25	101.39	99.56	100.00	.....	.....	.....	Holiday		
26	101.31	99.59	100.57	107.44	104.83	106.80	108.37	107.06	107.78
27	.....	.....	.....	107.89	105.64	106.38	108.50	107.14	107.96
28	.....	.....	.....	107.55	105.29	106.77	108.61	107.16	107.84
29	101.56	100.13	100.71	107.84	106.17	106.81	.....	.....	.....
30	102.83	100.41	102.67	107.16	105.56	106.16	.....	.....	.....
31	103.16	101.38	101.82	.....	.....	.....	108.53	107.26	107.94

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1978

	JANUARY			FEBRUARY			MARCH		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	Holiday			90.24	88.82	89.93	87.63	86.45	87.19
2	....	....	....	90.91	89.54	90.13	87.91	86.69	87.32
3	95.15	93.49	93.82	90.32	89.19	89.62	87.98	86.83	87.45
4	94.10	92.57	93.52	....	....	....	....	....	....
5	94.53	92.51	92.74	....	....	....	....	....	....
6	92.66	90.05	91.62	89.85	88.95	89.50	87.52	86.48	86.90
7	....	....	....	90.53	89.38	90.33	87.63	86.55	87.36
8	....	....	....	91.32	90.09	90.83	88.08	86.97	87.84
9	91.48	89.97	90.64	90.96	89.84	90.30	88.49	87.34	87.89
10	91.29	89.72	90.17	90.69	89.56	90.06	89.25	87.82	88.88
11	90.70	89.29	89.74	....	....	....	....	....	....
12	90.60	89.25	89.82	....	....	....	....	....	....
13	90.47	89.26	89.69	90.30	89.38	89.86	89.77	88.48	88.95
14	....	....	....	89.89	88.70	89.04	89.62	88.21	89.35
15	....	....	....	89.40	88.30	88.83	89.73	88.52	89.12
16	90.11	88.88	89.43	88.77	87.64	88.08	89.77	88.58	89.51
17	90.31	89.05	89.88	88.70	87.55	87.96	90.52	89.17	90.20
18	90.86	89.59	90.56	....	....	....	....	....	....
19	91.04	89.74	90.09	....	....	....	....	....	....
20	NA	NA	89.89	Holiday			91.35	90.10	90.82
21	....	....	....	88.19	87.09	87.59	91.06	89.50	89.79
22	....	....	....	88.15	87.19	87.56	90.07	88.99	89.47
23	90.08	88.81	89.24	87.92	86.88	87.64	89.90	88.83	89.36
24	89.80	88.67	89.25	88.87	87.66	88.49	Holiday		
25	89.94	88.83	89.39	....	....	....	....	....	....
26	89.79	88.31	88.58	....	....	....	....	....	....
27	89.10	88.02	88.58	88.97	87.49	87.72	89.50	88.51	88.87
28	....	....	....	87.76	86.58	87.04	89.76	88.47	89.50
29	....	....	....	....	....	....	90.17	89.14	89.64
30	89.67	88.26	89.34	....	....	....	89.89	88.97	89.41
31	89.92	88.61	89.25	....	....	....	89.64	88.68	89.21

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1978

DATE	APRIL			MAY			JUNE		
	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	98.30	96.41	97.67	97.95	96.63	97.35
2	....	....	....	98.11	96.44	97.25	98.52	97.01	98.14
3	89.20	88.07	88.46	97.61	95.84	96.26	....	....	....
4	89.18	88.16	88.86	96.43	94.57	95.93	....	....	....
5	93.82	86.90	89.64	97.44	95.56	96.53	100.27	97.97	99.95
6	90.46	89.31	89.79	....	....	....	101.84	99.90	100.32
7	90.59	89.39	90.17	....	....	....	100.81	99.36	100.12
8	....	....	....	97.50	95.82	96.19	101.21	99.55	100.21
9	....	....	....	96.68	95.33	95.90	100.71	99.30	99.93
10	90.88	89.73	90.49	96.69	95.35	95.92	....	....	....
11	90.79	89.77	90.25	97.47	95.60	97.20	....	....	....
12	90.78	89.65	90.11	98.89	97.14	98.07	100.60	99.16	99.55
13	91.27	88.82	90.98	....	....	....	99.98	98.43	99.57
14	93.31	91.40	92.92	....	....	....	100.68	98.89	99.48
15	....	....	....	99.11	97.40	98.76	99.54	97.97	98.34
16	....	....	....	100.16	98.61	99.35	98.59	97.10	97.42
17	95.89	93.60	94.45	100.32	98.63	99.60	....	....	....
18	94.72	92.87	93.43	100.04	98.19	98.62	....	....	....
19	94.48	92.75	93.86	99.06	97.42	98.12	97.94	96.53	97.49
20	95.71	93.97	94.54	....	....	....	97.78	96.15	96.51
21	95.09	93.71	94.34	....	....	....	96.74	95.42	96.01
22	....	....	....	99.43	97.65	99.09	96.76	95.52	96.24
23	....	....	....	99.17	97.53	98.05	96.98	95.49	95.85
24	96.00	94.08	95.77	98.74	96.27	97.08	....	....	....
25	97.91	96.05	96.64	97.80	96.30	96.80	....	....	....
26	97.75	95.96	96.82	97.14	96.01	96.58	96.06	94.31	94.60
27	96.93	95.86	95.86	....	....	....	95.48	93.99	94.98
28	97.10	95.24	96.83	....	....	....	95.79	94.44	95.40
29	....	....	....	Holiday			96.26	95.00	95.57
30	....	....	....	97.14	96.01	96.86	95.96	94.87	95.53
31	....	....	....	97.97	96.50	97.24	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1978

	JULY			AUGUST			SEPTEMBER		
DATE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE	HIGH	LOW	CLOSE
1	....	....	....	100.46	99.95	100.66	104.27	102.73	103.68
2	....	....	....	103.21	100.18	102.92	....	....	....
3	95.65	94.62	95.09	105.41	102.82	103.51	....	....	....
4	Holiday			104.67	102.75	103.92	Holiday		
5	95.20	93.78	94.27	....	....	....	104.83	103.31	104.49
6	94.83	93.59	94.32	...	....	....	106.19	104.51	105.38
7	95.32	94.02	94.89	104.84	103.03	103.55	106.49	104.76	105.42
8	....	....	....	104.35	102.60	104.01	107.19	105.50	106.79
9	....	....	....	105.72	103.70	104.50	....	....	....
10	95.67	94.28	95.27	105.11	103.10	103.66	....	....	....
11	96.49	94.92	95.93	104.67	102.85	103.96	108.05	106.42	106.98
12	96.83	95.50	96.24	....	....	....	107.48	106.02	106.99
13	96.66	95.42	96.25	....	....	....	107.85	105.87	106.34
14	97.88	95.89	97.58	104.98	103.40	103.97	106.62	104.77	105.10
15	....	....	....	104.38	102.86	103.85	105.12	103.56	104.12
16	....	....	....	105.15	103.41	104.65	....	....	....
17	96.84	97.24	97.78	106.27	104.34	105.08	....	....	....
18	97.98	96.52	96.87	105.98	104.23	104.73	105.03	102.75	103.21
19	98.41	96.71	96.12	....	....	....	103.82	102.12	102.53
20	99.18	97.49	98.03	....	....	....	103.29	101.28	101.73
21	98.57	97.02	97.75	105.20	103.44	103.89	102.54	100.66	101.90
22	....	....	....	104.79	103.14	104.31	102.69	101.13	101.84
23	....	....	....	105.68	104.12	104.91	....	....	....
24	98.13	96.72	97.72	105.86	104.29	105.08	....	....	....
25	98.73	97.20	98.44	105.68	104.24	104.90	102.36	101.05	101.86
26	NA	NA	99.08	....	....	....	103.15	101.58	102.62
27	100.17	96.60	99.54	....	....	....	103.44	101.33	101.66
28	100.51	96.90	100.00	105.14	103.61	103.96	102.38	100.94	101.96
29	....	....	....	104.34	102.92	103.39	103.08	101.65	102.54
30	....	....	....	104.26	102.70	103.47	....	....	....
31	101.18	99.37	100.68	104.05	102.63	103.29	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
500 STOCK COMPOSITE
DURING 1978

	OCTOBER			NOVEMBER			DECEMBER		
DATE	**HIGH**	**LOW**	**CLOSE**	**HIGH**	**LOW**	**CLOSE**	**HIGH**	**LOW**	**CLOSE**
1	....	....	....	97.41	94.13	96.85	96.69	95.01	96.28
2	103.42	102.13	102.96	97.31	94.84	95.61	....	....	....
3	103.56	102.18	102.60	96.98	94.78	96.18	....	....	....
4	103.36	101.76	103.06	....	....	....	96.96	95.37	96.15
5	104.10	102.54	103.27	....	....	....	97.70	95.88	97.44
6	104.23	102.82	103.52	96.49	94.84	95.19	98.58	96.83	97.49
7	....	....	....	94.75	93.14	93.85	98.10	96.58	97.08
8	....	....	....	94.74	92.89	94.45	97.48	96.14	96.63
9	104.89	103.31	104.59	95.50	93.81	94.42	....	....	....
10	105.36	103.90	103.90	95.39	93.94	94.77	....	....	....
11	105.64	103.80	105.39	....	....	....	97.56	96.07	97.11
12	106.23	104.42	104.88	....	....	....	97.58	96.27	96.59
13	105.34	104.07	104.66	94.90	92.96	93.13	97.07	95.59	96.06
14	....	....	....	93.53	91.77	92.49	96.44	95.20	96.04
15	....	....	....	94.00	92.29	92.71	96.28	94.88	95.33
16	104.63	102.43	102.61	94.08	92.59	93.71	....	....	....
17	102.35	100.47	101.26	95.03	93.59	94.42	....	....	....
18	101.76	99.89	100.49	....	....	....	94.33	92.64	93.44
19	101.03	99.04	99.33	....	....	....	94.85	93.05	94.24
20	99.26	97.12	97.95	95.86	94.29	95.25	95.20	93.70	94.68
21	....	....	....	95.83	94.49	95.01	95.66	94.11	94.71
22	....	....	....	95.91	94.54	95.48	96.62	94.77	96.31
23	98.84	96.63	98.18	Holiday			....	....	....
24	98.95	97.13	97.49	96.17	94.98	95.79	....	....	....
25	98.56	96.33	97.31	....	....	....	Holiday		
26	97.71	95.59	96.03	....	....	....	97.89	95.99	97.52
27	96.62	94.30	94.59	96.52	95.17	95.99	97.51	96.15	96.66
28	....	....	....	96.51	94.88	95.15	97.19	95.82	96.28
29	....	....	....	94.92	93.48	93.75	97.03	95.48	96.11
30	95.49	91.65	95.06	94.94	93.29	94.70	....	....	....
31	95.80	92.72	93.15	....	....	....	....	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
S & P 100 (DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	117.23	113.19	113.12	....	111.28	108.58	....	119.08	122.28	136.97	140.31
2	....	117.59	112.22	114.29	....	111.46	107.40	109.90	121.40	....	138.58	140.33
3	....	115.78	110.45	....	115.93	111.24	....	109.16	123.90	....	144.77	140.18
4	120.12	115.86	109.44	....	116.82	109.12	....	107.12	....	121.58	143.36	....
5	117.37	116.86	109.37	113.62	116.99	....	Holiday	106.06	....	121.92	143.57	....
6	116.90	....	....	114.56	117.86	....	107.48	104.54	Holiday	126.70	....	144.35
7	116.80	....	....	114.48	118.36	109.46	107.52	....	122.56	129.44	....	145.57
8	117.59	114.13	107.32	115.25	....	108.72	108.14	....	123.38	131.80	141.55	144.30
9	....	113.47	108.92	Holiday	....	108.20	109.64	104.18	122.66	....	144.68	142.01
10	....	114.35	109.34	....	117.44	108.86	....	103.80	121.66	....	142.43	141.36
11	115.26	114.02	109.07	....	118.54	110.56	....	103.48	....	135.80	143.46	....
12	115.24	113.83	108.27	114.98	118.40	....	110.80	103.32	....	135.52	141.03	....
13	113.84	....	....	114.74	117.34	....	110.80	104.92	123.54	137.16	....	142.17
14	114.88	....	....	114.75	117.18	109.38	111.90	....	124.28	134.22	....	139.06
15	115.31	Holiday	109.46	115.34	....	109.18	111.84	....	125.20	133.14	138.24	136.84
16	....	113.89	108.76	115.84	....	108.48	112.42	104.68	124.40	....	136.73	137.01
17	....	113.37	108.61	....	115.96	107.32	....	110.58	123.12	....	139.34	139.39
18	116.69	113.61	110.14	....	115.28	107.10	....	112.28	....	137.22	139.54	....
19	115.37	113.15	110.22	115.78	114.30	....	111.92	110.32	....	136.74	137.92	....
20	114.87	....	....	114.34	114.18	....	113.08	114.46	123.40	140.00	....	137.69
21	115.57	....	....	114.81	114.68	107.18	112.60	....	125.66	139.52	....	140.95
22	115.16	110.72	112.72	116.29	....	108.58	112.52	....	124.50	139.37	135.08	140.46
23	....	110.81	113.15	118.05	....	110.64	112.22	118.06	124.52	....	133.99	141.31
24	....	113.07	112.35	....	114.50	109.84	....	117.48	123.96	....	135.31	Holiday
25	115.44	112.64	112.47	....	113.88	108.82	....	118.68	....	133.47	Holiday	....
26	115.05	112.63	111.01	118.59	112.74	....	111.46	119.20	....	135.59	136.36	....
27	115.82	....	....	117.26	112.36	....	110.48	117.72	124.40	136.13	....	144.36
28	119.06	....	....	116.33	111.40	110.04	108.74	....	123.68	134.43	....	142.69
29	120.04	....	111.49	115.13	....	110.00	108.90	....	121.90	134.87	135.48	143.31
30	....	....	111.66	115.33	....	109.56	108.16	118.76	120.32	....	140.34	142.14
31	....	....	111.20	....	Holiday	....	....	120.86	....	....	....	142.17

STANDARD & POOR'S DAILY STOCK PRICE INDEX
S & P 100 (DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	137.40	133.67	133.75	129.43	....	121.81	116.71	....	122.68
2	138.47	129.43	134.65	137.19	....	131.89	128.24	....	122.07	118.98	121.14	120.77
3	....	131.06	132.79	136.25	....	132.42	Holiday	128.99	119.38	....	121.76	121.60
4	....	131.22	133.28	....	131.89	132.67	....	129.99	118.36	....	121.68	122.62
5	140.38	132.43	132.13	....	131.26	134.24	....	131.74	....	118.82	119.75	....
6	141.14	133.44	132.00	134.49	131.64	...	126.94	131.19	....	117.80	118.80	....
7	138.02	....	....	134.61	132.65	....	127.67	130.26	Holiday	120.06	....	121.40
8	135.76	....	....	135.22	132.47	133.97	127.71	....	116.54	121.11	....	120.84
9	135.86	131.97	133.59	136.00	....	133.31	128.33	....	116.91	120.19	119.91	121.67
10	....	131.99	132.60	135.77	....	133.41	128.19	130.99	118.97	....	119.20	121.80
11	....	131.10	131.81	....	130.10	135.02	....	132.28	120.55	....	119.63	120.55
12	135.77	130.09	135.35	....	131.82	134.86	....	131.34	....	119.52	119.65	....
13	136.02	129.41	134.32	134.36	131.05	....	127.93	131.18	....	118.92	118.02	....
14	135.77	....	....	134.04	131.90	....	128.26	130.03	119.27	116.76	....	118.54
15	136.07	....	....	135.63	133.00	135.07	128.20	....	118.30	117.65	....	118.87
16	136.73	Holiday	136.37	135.87	....	133.34	128.63	....	117.63	116.81	116.99	118.37
17	....	130.57	135.36	Holiday	...	134.78	128.96	128.57	115.72	....	118.03	119.37
18	....	131.12	135.88	....	133.43	132.55	....	127.78	115.12	....	116.76	120.30
19	136.57	129.02	134.78	....	133.10	133.22	....	128.24	....	116.66	117.16	....
20	133.31	129.30	135.46	137.15	132.91	....	126.90	128.35	....	117.84	118.15	....
21	133.25	....	....	135.74	132.76	....	126.46	126.92	116.51	117.67	....	120.00
22	132.24	....	....	135.89	131.91	132.78	125.34	....	115.81	117.25	....	119.50
23	132.21	130.35	137.50	135.78	...	134.08	125.56	....	114.95	116.27	117.61	118.83
24	....	130.45	136.22	137.17	....	133.33	127.15	123.42	114.16	....	120.02	119.16
25	....	132.17	138.81	....	Holiday	133.21	....	123.40	112.25	....	120.43	Holiday
26	132.34	133.51	137.97	....	134.01	132.82	....	123.22	....	115.87	Holiday	....
27	133.88	134.24	135.84	137.42	135.24	....	128.62	121.92	....	116.71	121.66	....
28	132.62	....	....	135.85	134.73	....	127.86	122.51	115.72	116.41	....	119.03
29	132.61	....	....	134.33	133.93	131.85	127.80	....	115.36	115.91	....	118.34
30	132.10	....	135.43	133.87	....	130.94	128.73	....	115.84	119.01	122.77	119.24
31	....	....	136.74	....	....	....	129.71	120.85	....	....	....	119.53

STANDARD & POOR'S DAILY STOCK PRICE INDEX
S & P 100 (DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	118.13	....	106.13	109.46	....	117.45	125.40	Holiday	129.94	....	138.18
2	108.44	....	....	106.68	109.59	113.56	118.34	....	127.71	130.57	....	138.41
3	108.32	....	114.63	106.00	....	113.24	120.25	....	130.14	131.86	131.51	137.92
4	109.69	116.96	115.31	Holiday	....	115.78	Holiday	125.10	129.25	....	Holiday	137.68
5	....	117.62	113.36	....	110.68	115.60	....	124.75	128.61	....	133.83	134.90
6	....	118.64	111.06	....	110.04	116.08	....	125.72	....	134.23	131.03	....
7	109.88	118.14	109.22	103.63	110.70	....	121.16	127.55	....	133.21	131.58	....
8	113.00	119.56	....	104.77	109.37	....	120.52	127.42	126.14	134.29	....	131.98
9	112.40	....	....	107.10	107.79	116.39	120.67	....	127.29	133.54	....	131.73
10	113.61	....	109.65	107.56	....	117.58	119.67	....	127.86	132.36	132.03	129.46
11	113.29	118.74	110.99	106.92	....	119.10	121.03	129.17	128.79	....	133.47	128.79
12	....	120.25	109.91	....	108.24	118.82	....	127.96	128.30	....	136.75	130.76
13	....	120.67	108.77	....	110.01	118.86	....	127.26	....	134.58	138.37	....
14	113.29	118.78	108.62	105.96	110.29	....	123.87	129.81	....	134.16	138.62	....
15	114.47	117.84	....	105.89	109.90	....	122.87	130.21	128.59	136.23	....	130.54
16	114.28	....	....	104.49	110.36	119.32	123.20	....	129.28	133.99	....	132.38
17	113.88	....	105.81	104.25	....	118.89	125.28	....	131.97	133.39	139.44	134.36
18	114.16	Holiday	108.05	103.57	....	119.14	125.38	127.40	131.42	....	141.23	134.00
19	....	117.30	107.81	....	110.72	117.10	....	126.70	132.42	....	140.58	135.24
20	....	119.34	106.52	....	110.69	116.70	....	128.01	....	134.60	142.02	....
21	115.32	117.63	105.81	103.00	110.82	....	125.98	129.83	....	133.41	140.69	....
22	114.57	117.46	....	107.12	112.37	....	125.38	130.13	133.86	133.34	....	137.65
23	117.11	....	....	107.39	114.26	117.44	125.18	....	132.27	130.63	....	136.95
24	116.82	....	102.55	108.01	....	117.91	124.93	....	133.11	131.25	140.68	137.99
25	116.46	115.69	102.80	109.34	....	119.60	123.87	129.16	131.11	....	141.10	Holiday
26	....	116.81	102.05	....	Holiday	118.99	....	128.64	128.90	....	141.24	138.90
27	....	114.58	103.28	....	114.54	118.57	....	127.09	....	129.08	Holiday	....
28	117.63	114.68	105.22	109.80	115.31	....	125.15	125.79	....	129.53	141.54	....
29	116.70	116.01	....	109.91	113.09	....	126.46	126.19	126.25	129.30	....	137.29
30	118.11	....	....	110.31	114.07	116.59	126.38	....	128.28	127.77	....	137.61
31	116.60	....	106.52	....	....	....	125.93	....	....	129.65	....	137.65

STANDARD & POOR'S DAILY STOCK PRICE INDEX
S & P 100 (DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	110.09	105.95	....	110.42	106.74	....	109.97	....	113.24	107.93	....
2	106.88	109.47	105.75	110.01	110.56	....	108.39	109.84	....	114.36	107.72	....
3	107.87	....	....	111.84	110.73	....	108.45	109.69	Holiday	114.18	....	110.01
4	108.65	....	....	111.99	109.30	106.99	Holiday	....	112.55	114.71	....	111.16
5	109.10	107.82	107.14	112.78	....	108.48	108.76	....	111.92	115.88	107.02	111.56
6	....	107.71	106.81	112.44	....	109.20	110.11	110.15	111.93	....	106.32	112.36
7	....	106.85	107.47	....	107.60	109.64	....	111.82	112 81	....	104.88	111.66
8	108.85	107.19	108.81	....	108.05	109.23	....	111.97	....	114.34	105.34	....
9	109.47	107.47	108.68	112.11	108.15	....	110.68	111.49	....	111.37	106.59	....
10	108.67	....	....	112.62	106.95	....	110.27	112.63	113.15	110.92	....	111.74
11	109.62	....	....	111.31	106.96	109.81	109.38	....	112.25	110.11	....	111.44
12	110.54	108.03	109.02	110.95	....	110.66	106.31	....	112.64	109.35	108.73	111.22
13	....	108.93	109.10	Holiday	....	109.85	107.75	113.68	112.73	....	107.80	111.41
14	....	108.59	108.97	....	106.44	109.60	....	113.70	114.05	....	108.08	112.82
15	111.72	108.60	108.92	....	106.40	109.50	....	114.80	....	108.30	108.70	....
16	110.04	108.29	109.97	110.17	106.68	....	108.11	114.33	....	107.89	108.23	....
17	110.05	....	....	110.20	108.56	....	106.85	114.47	114.10	107.95	....	112.96
18	110.34	....	....	110.72	108.43	108.52	107.14	....	113.17	108.00	....	111.54
19	109.93	Holiday	110.38	109.89	....	108.68	106.83	....	113.45	105.73	108.48	111.59
20	....	109.32	109.77	109.83	....	108.83	107.13	115.06	116.37	....	107.62	111.71
21	....	108.86	110.88	....	108.68	109.39	....	115.01	116.05	....	107.90	110.94
22	110.43	107.78	111.22	....	109.19	109.84	....	114.91	....	105.34	Holiday	....
23	111.02	107.01	110.79	110.33	108.01	....	106.95	114.26	....	105.13	108.80	....
24	110.36	....	....	110.81	108.02	....	107.39	114.20	114.93	105.23	....	111.30
25	111.63	....	....	111.13	108.32	109.18	108.74	....	115.21	104.77	....	Holiday
26	112.47	106.90	110.04	110.39	....	108.52	108.61	....	115.09	105.53	111.27	111.45
27	....	105.00	112.09	110.17	....	109.09	108.58	114.69	115.10	....	110.67	111.53
28	....	105.19	111.50	....	Holiday	109.59	....	114.49	113.95	....	111.20	111.16
29	111.91	....	111.30	....	108.03	109.42	....	114.45	....	105.62	111.21	....
30	111.39	....	110.63	110.31	106.83	....	108.72	114.42	....	108.06	110.54	....
31	109.72	....	....	....	106.81	....	109.39	114.77	....	106.90	....	111.04

STANDARD & POOR'S DAILY STOCK PRICE INDEX
S & P 100 (DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	96.51	93.16	....	105.01	104.09	....	108.56	112.04	....	106.70	105.58
2	Holiday	96.49	93.24	....	104.34	105.17	....	112.00	....	111.16	105.12	....
3	100.24	95.72	93.28	93.92	103.10	....	101.79	112.29	....	110.60	105.46	....
4	100.03	....	....	94.46	102.82	....	Holiday	112.85	Holiday	111.47	....	105.46
5	98.93	....	....	95.41	103.49	107.53	101.04	....	113.32	111.40	....	107.07
6	98.06	95.74	92.69	95.51	....	107.77	101.23	....	114.27	111.60	104.04	107.05
7	....	96.76	93.38	95.90	....	107.46	102.01	112.22	114.19	....	102.63	106.40
8	....	97.35	93.84	....	102.98	107.42	....	112.88	116.02	....	103.50	105.68
9	97.30	96.61	93.81	....	102.70	107.04	....	113.23	....	113.15	103.22	....
10	96.72	96.32	94.91	96.25	102.75	....	102.61	112.15	....	112.66	103.37	....
11	96.08	....	....	95.99	104.53	....	103.04	112.41	115.95	114.50	....	106.49
12	96.35	....	....	95.70	105.14	106.63	103.32	....	116.08	113.57	....	105.91
13	96.15	96.12	94.82	96.87	....	107.08	103.30	....	114.86	113.23	101.39	105.16
14	....	95.21	95.24	99.16	....	106.58	105.18	112.14	113.19	....	101.10	105.43
15	....	95.17	94.92	....	106.08	105.26	....	112.22	112.00	....	101.18	104.80
16	96.01	94.32	95.54	....	106.58	104.17	....	113.33	....	110.84	102.53	....
17	96.59	94.11	96.36	101.21	106.64	....	105.22	113.63	....	109.64	103.21	....
18	97.31	....	....	100.02	105.50	....	104.11	113.01	110.99	109.07	....	102.73
19	96.62	....	....	100.56	104.93	104.52	105.84	....	110.48	107.65	....	103.95
20	96.22	Holiday	96.83	101.23	....	103.34	105.52	....	109.52	106.64	104.16	104.43
21	....	93.89	95.36	100.87	....	103.12	105.01	112.09	109.77	....	103.75	104.31
22	....	93.59	95.14	....	106.20	103.44	....	112.78	109.65	....	104.45	106.55
23	95.33	93.91	94.98	....	104.67	102.85	....	113.53	....	107.21	Holiday	....
24	95.38	94.69	Holiday	102.88	103.82	....	104.98	113.71	....	106.23	104.75	....
25	95.49	....	....	103.68	103.58	....	105.93	113.51	109.73	106.08	....	Holiday
26	94.51	....	....	104.02	103.38	101.53	106.73	....	110.48	104.87	....	108.25
27	94.68	93.81	94.45	102.83	....	102.14	107.31	....	109.26	103.23	105.21	106.90
28	....	93.06	95.25	104.05	....	102.63	107.82	112.45	109.82	....	104.02	106.57
29	....	....	95.28	....	Holiday	102.65	....	111.63	110.41	....	102.47	105.97
30	95.79	....	94.97	....	103.74	102.32	....	111.74	....	104.46	103.72	....
31	95.63	....	94.58	....	103.95	....	108.53	111.42	....	101.64	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
400 INDUSTRIAL (DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	131.58	125.80	126.35	....	124.81	121.38	....	132.07	136.19	151.19	154.87
2	....	131.80	124.90	127.90	....	125.13	120.14	122.02	134.54	....	153.38	154.96
3	....	129.94	122.78	....	129.89	124.90	....	120.54	137.40	....	159.60	154.78
4	137.28	129.94	121.51	....	130.66	122.89	....	118.53	....	135.54	158.42	....
5	134.17	130.83	120.83	127.43	130.92	....	Holiday	117.39	....	136.06	158.65	....
6	133.16	....	....	128.23	132.09	....	119.88	115.69	Holiday	140.68	....	158.53
7	132.93	....	....	128.21	133.03	123.00	119.96	....	135.92	143.82	....	159.66
8	133.56	127.80	118.41	129.06	....	122.45	120.32	....	136.95	146.21	156.70	158.67
9	....	126.71	120.26	Holiday	....	121.76	121.76	114.97	136.65	....	159.62	156.80
10	....	127.81	120.99	....	131.74	122.48	....	114.67	135.63	....	157.34	156.54
11	130.51	127.57	121.08	....	132.98	124.33	....	114.32	....	150.04	158.00	....
12	129.97	127.51	120.27	128.79	132.74	....	122.51	114.08	....	150.10	155.32	....
13	128.42	....	....	128.73	131.75	....	122.52	115.62	137.10	152.82	....	156.99
14	129.17	....	....	128.56	131.56	122.88	123.85	....	138.03	150.36	....	153.85
15	130.07	Holiday	121.43	129.24	....	122.58	123.95	....	139.39	149.27	152.35	151.47
16	....	127.21	121.26	129.77	....	121.58	124.69	115.74	138.73	....	150.69	151.52
17	....	126.74	121.02	....	130.08	120.13	....	121.23	137.32	....	153.55	153.97
18	131.01	126.86	122.43	....	129.23	119.86	....	120.56	....	152.90	153.98	....
19	129.59	126.11	122.74	129.53	128.17	....	124.25	121.54	....	152.56	152.54	....
20	128.79	....	....	128.04	127.82	....	125.12	125.90	137.29	155.69	....	152.54
21	129.34	....	....	128.34	128.13	119.88	124.90	....	139.97	155.48	....	155.25
22	128.88	123.97	125.27	130.12	....	121.18	124.87	....	138.86	154.94	149.34	155.43
23	....	123.81	126.07	131.91	....	123.38	124.52	129.58	138.60	....	147.89	156.47
24	....	126.08	125.34	....	128.13	122.92	....	128.57	138.02	....	149.03	Holiday
25	128.99	125.74	125.61	....	127.68	122.09	....	131.22	....	148.53	Holiday	....
26	128.74	125.61	124.14	132.63	126.28	....	123.64	132.32	....	150.06	150.24	....
27	129.36	....	....	131.20	125.77	....	122.69	130.75	138.35	151.00	....	159.35
28	132.98	....	....	130.37	124.95	123.44	120.74	....	137.84	149.07	....	157.71
29	134.61	....	124.65	129.07	....	123.29	120.71	....	135.91	149.09	149.49	158.32
30	....	....	124.63	129.41	....	122.42	119.95	131.49	134.45	....	154.65	157.20
31	....	....	124.23	....	Holiday	....	....	133.64	....	....	....	157.62

STANDARD & POOR'S DAILY STOCK PRICE INDEX
400 INDUSTRIAL (DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	154.86	150.46	149.31	145.95	....	138.27	131.17	....	140.70
2	155.10	143.73	150.12	154.54	....	147.31	144.67	....	138.88	133.77	138.77	139.11
3	....	145.56	148.24	153.56	....	147.48	Holiday	146.96	136.29	....	139.48	139.66
4	....	145.68	148.53	....	148.11	147.71	....	147.94	135.06	....	139.32	140.99
5	156.83	146.92	147.42	....	147.86	149.13	....	149.77	....	133.83	137.82	....
6	157.02	148.13	147.32	151.80	148.44	....	143.35	149.71	....	133.72	136.75	....
7	153.45	....	....	151.75	149.47	....	144.41	148.57	Holiday	135.81	....	139.76
8	151.09	....	....	152.18	149.36	149.00	144.41	....	132.71	137.02	....	139.29
9	151.72	146.55	148.86	152.53	....	148.66	145.56	....	133.18	135.97	137.23	140.20
10	....	146.56	147.95	152.27	....	148.77	145.52	149.42	135.15	....	136.39	140.51
11	....	145.44	147.36	....	146.94	150.22	....	150.74	136.73	....	136.56	139.61
12	151.69	144.54	151.11	....	148.10	149.83	....	150.15	....	135.64	136.74	....
13	151.50	144.11	150.86	150.78	147.66	....	145.77	150.29	....	135.10	134.94	....
14	151.73	....	....	150.23	148.46	....	145.95	149.03	135.66	132.85	....	137.18
15	152.60	....	....	151.89	149.49	149.60	146.61	....	134.49	133.89	....	137.45
16	153.20	Holiday	152.63	152.52	....	147.90	146.75	....	133.44	133.24	133.33	136.85
17	....	145.20	151.65	Holiday	....	149.47	147.24	147.62	131.34	....	134.47	137.71
18	....	145.98	151.92	....	149.83	147.64	....	146.44	130.19	....	133.37	138.67
19	152.64	143.80	151.03	....	149.22	148.46	....	146.89	....	132.98	134.01	....
20	149.40	143.75	151.78	153.48	149.18	....	145.01	147.17	....	134.48	135.19	....
21	149.10	....	....	152.04	148.93	....	144.65	145.45	131.26	134.26	....	137.95
22	147.90	....	....	151.91	148.32	148.05	143.20	....	130.53	133.73	....	137.43
23	147.95	144.61	153.82	151.65	....	149.69	143.56	....	129.39	132.52	135.13	136.80
24	....	144.60	152.64	153.07	....	148.99	144.75	141.18	128.49	....	137.44	137.09
25	....	146.03	155.60	....	Holiday	149.29	....	140.91	125.93	....	138.07	Holiday
26	147.51	147.90	154.63	....	150.04	149.04	....	140.63	....	132.00	Holiday	....
27	149.08	149.27	152.75	153.51	151.16	....	146.35	138.82	....	133.26	139.31	....
28	148.02	....	....	152.21	150.61	....	145.46	139.37	129.35	133.37	....	136.74
29	147.86	....	....	150.74	149.50	148.25	145.41	....	129.73	132.87	....	136.08
30	146.88	....	152.22	150.51	....	147.58	146.45	....	130.04	136.06	140.90	136.85
31	....	....	154.19	....	....	....	147.46	137.88	....	....	....	137.12

STANDARD & POOR'S DAILY STOCK PRICE INDEX
400 INDUSTRIAL (DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	130.15	....	115.15	118.52	....	129.23	137.27	Holiday	144.97	....	157.06
2	118.41	....	....	115.49	118.61	124.53	130.13	....	140.45	145.99	....	156.87
3	117.81	....	127.93	114.78	....	124.26	132.17	....	143.18	147.32	147.14	156.53
4	119.32	129.20	128.39	Holiday	....	126.78	Holiday	137.00	142.30	....	Holiday	156.12
5	....	129.59	126.56	....	119.38	126.91	....	136.75	141.71	....	149.94	153.19
6	....	130.88	123.71	....	119.07	127.37	....	137.77	....	150.13	147.13	....
7	119.63	131.62	121.58	112.45	119.93	....	133.18	139.93	....	149.16	147.50	....
8	122.24	133.70	....	113.63	118.69	....	132.62	140.26	139.88	150.00	....	149.17
9	122.30	....	....	115.88	117.10	127.97	132.86	....	140.79	149.21	....	149.03
10	123.31	....	121.06	116.83	....	129.00	131.59	....	141.64	148.29	147.92	146.23
11	123.34	132.79	122.47	116.43	....	130.68	132.69	141.73	142.71	....	149.82	145.27
12	....	133.83	121.42	....	117.21	129.98	....	140.48	142.57	....	153.62	147.49
13	....	134.47	119.84	....	119.06	130.17	....	139.88	....	150.51	155.85	....
14	123.92	132.41	119.50	115.45	119.64	....	135.31	142.31	....	150.50	156.72	....
15	124.91	130.94	....	115.29	119.79	....	134.44	142.86	142.67	152.64	....	147.68
16	124.89	....	....	113.69	120.29	130.51	134.83	....	143.86	150.84	....	149.10
17	124.56	....	115.81	113.06	....	130.43	137.06	....	146.41	150.00	157.54	151.66
18	125.04	Holiday	118.05	112.44	....	130.73	137.80	140.05	145.80	....	159.84	151.20
19	....	130.09	118.27	....	120.77	128.79	....	139.12	146.83	....	159.13	151.83
20	....	132.44	116.78	....	120.80	128.09	....	140.59	....	151.38	160.76	....
21	126.36	131.08	115.84	111.64	120.99	....	138.40	142.61	....	150.35	159.20	....
22	125.60	130.94	....	116.02	122.50	....	138.07	143.26	148.33	150.30	....	154.21
23	127.91	....	....	116.27	124.33	128.68	137.93	....	147.14	147.38	....	153.69
24	128.24	....	112.27	117.06	....	129.40	137.80	....	148.39	147.82	158.31	154.48
25	128.15	129.00	112.17	118.13	....	131.35	136.64	142.26	146.51	....	159.55	Holiday
26	....	129.86	111.40	....	Holiday	130.68	....	141.87	143.78	....	160.52	155.32
27	....	127.95	111.09	....	125.24	130.46	....	140.30	....	145.50	Holiday	....
28	129.75	127.94	113.91	118.73	126.03	....	137.51	138.55	....	145.80	160.96	....
29	128.85	129.28	....	119.03	123.92	....	138.68	138.89	140.49	145.64	....	153.64
30	130.23	....	....	119.54	125.03	128.34	138.41	....	142.82	143.72	....	154.04
31	128.99	....	115.31	....	....	....	137.77	....	....	145.16	....	154.45

STANDARD & POOR'S DAILY STOCK PRICE INDEX
400 INDUSTRIAL (DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	111.40	107.93	....	113.75	110.25	....	115.17	....	121.29	114.97	....
2	107.91	110.85	107.94	112.61	113.82	....	113.05	115.02	....	122.50	114.92	....
3	109.08	....	....	114.37	113.88	....	113.08	114.96	Holiday	122.53	....	118.34
4	109.92	....	....	114.63	112.56	110.40	Holiday	....	119.38	123.20	....	119.50
5	110.48	109.25	109.25	115.38	....	111.96	113.44	....	118.23	124.49	114.10	120.03
6	....	109.23	109.01	115.24	....	112.72	114.77	115.33	118.80	....	113.38	120.91
7	....	108.23	109.67	....	110.62	113.23	....	116.88	119.83	....	111.86	120.31
8	110.08	108.81	110.95	....	110.81	112.87	....	117.25	....	122.93	112.36	....
9	110.69	109.10	110.88	114.85	111.09	....	115.68	116.71	....	119.35	113.72	....
10	110.02	....	....	115.34	109.96	....	115.40	117.75	120.42	118.02	....	120.51
11	110.46	....	....	114.10	109.92	113.41	114.66	....	119.64	117.66	....	120.36
12	111.41	109.50	111.11	113.72	....	114.39	113.55	....	120.07	116.95	116.12	120.49
13	....	110.36	111.29	Holiday	....	113.61	113.13	118.91	120.12	....	115.34	120.75
14	....	110.22	111.18	....	109.40	113.51	....	118.98	121.25	....	115.90	122.30
15	112.30	110.08	111.36	....	109.45	113.34	....	119.89	....	115.73	116.74	....
16	110.84	110.00	112.39	112.75	109.74	....	113.58	119.70	....	115.49	116.37	....
17	110.87	....	....	112.87	111.48	....	112.50	120.01	121.31	115.71	....	122.78
18	111.10	....	....	113.46	111.42	112.68	112.40	....	120.38	116.00	....	121.51
19	111.13	Holiday	112.79	112.93	....	112.70	112.32	....	120.76	113.77	116.91	121.35
20	....	110.90	112.14	112.90	....	112.73	112.57	120.66	123.56	....	116.20	121.39
21	....	110.51	113.03	....	111.62	113.30	....	120.73	123.46	....	116.43	120.59
22	111.41	109.64	113.54	....	112.04	113.94	....	120.83	....	112.82	Holiday	....
23	112.19	108.96	113.43	113.36	111.21	....	112.31	120.41	....	112.36	117.32	....
24	111.62	....	....	114.13	111.27	....	112.80	120.44	122.40	112.57	....	120.70
25	112.82	....	....	114.57	111.57	113.29	114.10	....	122.53	111.99	....	Holiday
26	113.64	108.87	112.77	114.05	....	112.75	114.08	....	122.83	112.59	119.65	120.83
27	....	107.06	114.49	113.82	....	113.40	114.03	121.11	123.15	....	118.91	121.04
28	....	107.26	114.03	....	Holiday	113.99	....	120.99	122.09	....	119.30	120.88
29	113.29	....	113.91	....	111.35	114.14	....	121.05	....	112.76	119.39	....
30	112.70	....	113.38	113.83	110.23	....	114.07	121.14	....	115.08	118.69	....
31	111.32	....	....	....	110.19	....	114.77	121.57	....	114.07	....	121.02

STANDARD & POOR'S DAILY STOCK PRICE INDEX
400 INDUSTRIAL (DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	99.12	95.88	....	107.92	107.60	....	111.31	114.84	....	107.76	106.96
2	Holiday	99.30	96.02	....	107.43	108.48	....	113.98	....	114.22	106.30	....
3	103.22	98.66	96.16	97.20	106.27	....	104.97	114.51	....	113.75	107.05	....
4	102.91	....	....	97.65	105.92	....	Holiday	114.95	Holiday	114.33	....	106.80
5	101.97	....	....	98.56	106.64	110.65	104.02	....	115.82	114.57	....	108.30
6	100.80	98.51	95.52	98.72	....	110.99	104.06	....	116.85	114.84	105.81	108.34
7	....	99.49	96.06	99.17	....	110.75	104.76	114.46	116.88	....	104.27	107.81
8	....	100.01	96.53	....	106.23	110.87	....	115.03	118.48	....	105.05	107.26
9	99.80	99.40	96.64	....	105.92	110.52	....	115.53	....	116.09	104.98	....
10	99.27	99.12	97.76	99.54	105.96	....	105.23	114.57	....	115.90	105.32	....
11	98.75	....	....	99.27	107.48	....	105.96	114.99	118.67	116.96	....	107.87
12	99.89	....	....	99.08	108.44	110.07	106.30	....	118.71	116.29	....	107.31
13	98.74	98.91	97.84	100.03	....	110.15	106.34	....	117.94	116.06	103.42	106.65
14	....	98.01	98.30	102.33	....	109.95	107.90	114.99	116.51	....	102.73	106.71
15	....	97.79	97.98	....	109.31	108.70	....	114.87	115.39	....	102.94	105.93
16	98.44	96.95	98.46	....	109.98	107.64	....	115.82	....	113.68	104.09	....
17	98.96	96.81	99.26	104.13	110.31	....	108.09	116.28	....	112.21	104.88	....
18	99.73	....	....	102.97	109.11	....	106.98	115.85	114.36	111.37	....	103.83
19	99.16	....	....	103.38	108.52	107.78	108.44	....	113.56	110.07	....	104.68
20	98.94	Holiday	99.93	104.10	....	106.65	108.30	....	112.63	108.58	105.81	105.45
21	....	96.43	98.72	103.82	....	106.13	106.04	114.95	112.86	....	105.50	105.49
22	....	96.38	98.34	....	109.70	106.41	....	115.49	112.81	....	106.04	107.40
23	98.20	96.48	98.19	....	108.47	105.90	....	116.18	....	108.91	Holiday	....
24	98.23	97.39	Holiday	105.53	107.38	....	107.99	116.38	....	108.08	106.39	....
25	98.39	....	....	106.55	107.03	....	106.82	116.27	112.85	107.92	....	Holiday
26	94.47	....	....	106.80	106.78	104.49	109.55	....	112.73	106.55	....	108.89
27	97.51	96.49	97.63	105.71	....	104.92	110.09	....	112.62	104.93	106.67	107.85
28	....	95.74	98.35	106.94	....	105.40	110.61	115.17	112.99	....	105.64	107.41
29	....	....	98.49	....	Holiday	105.57	....	114.51	113.72	....	104.01	107.21
30	98.44	....	98.24	....	107.08	105.53	....	114.63	....	105.61	105.16	....
31	98.35	....	98.02	....	107.51	....	111.39	114.38	....	103.42	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 FINANCIAL (DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	14.22	14.46	14.38	....	12.71	12.43	....	13.29	14.22	16.59	17.49
2	....	14.30	14.49	14.51	....	12.84	12.28	12.16	13.36	....	16.90	17.56
3	....	14.19	14.41	....	14.35	12.84	....	12.14	13.49	....	17.59	17.56
4	14.49	14.22	14.41	....	14.36	12.58	....	12.03	....	14.25	17.59	....
5	14.16	14.45	14.40	14.48	14.35	....	Holiday	11.93	....	14.37	17.73	....
6	14.11	....	....	14.50	14.39	....	12.02	11.71	Holiday	14.92	....	17.83
7	14.07	....	....	14.58	14.40	12.50	11.80	....	13.33	15.35	....	17.84
8	14.18	14.26	14.22	14.73	....	12.43	11.83	....	13.43	15.80	17.54	17.61
9	....	14.12	14.21	Holiday	....	12.34	11.95	11.66	13.40	....	17.94	17.17
10	....	14.21	14.21	....	14.32	12.38	....	11.62	13.21	....	17.83	16.72
11	13.91	14.11	14.05	....	14.41	12.63	....	11.65	....	16.30	18.05	....
12	13.88	14.07	13.86	14.66	14.33	....	12.12	11.55	....	16.23	17.97	....
13	13.67	....	....	14.66	14.02	....	11.97	11.75	13.35	16.34	....	16.73
14	13.72	....	....	14.62	13.97	12.46	11.93	....	13.54	16.03	....	16.49
15	13.77	Holiday	13.73	14.61	....	12.46	11.89	....	13.88	15.85	17.70	16.02
16	....	13.99	13.69	14.63	....	12.43	11.92	11.83	13.89	....	17.43	16.09
17	....	13.99	13.68	....	13.84	12.34	....	12.46	13.79	....	17.72	16.49
18	13.89	14.07	13.84	....	13.64	12.20	....	12.53	....	16.28	17.77	....
19	13.82	14.07	13.94	14.70	13.48	....	11.92	12.35	....	16.45	17.51	....
20	13.74	....	....	14.63	13.44	....	12.14	12.80	13.76	16.78	....	16.36
21	13.79	....	....	14.71	13.45	12.08	12.27	....	14.07	16.85	....	16.62
22	13.78	14.10	14.14	14.76	....	12.21	12.44	....	14.00	16.97	17.14	16.68
23	....	14.13	14.35	14.76	....	12.36	12.35	13.07	13.98	....	16.99	16.80
24	....	14.35	14.33	....	13.34	12.45	....	13.04	13.99	....	17.07	Holiday
25	13.73	14.37	14.39	....	13.29	12.39	....	13.22	....	16.37	Holiday	....
26	13.71	14.39	14.24	14.74	13.07	....	12.23	13.34	....	16.50	17.19	....
27	13.81	....	....	14.55	12.98	....	12.15	13.14	14.11	16.59	....	17.03
28	14.22	....	....	14.42	12.84	12.44	11.95	....	14.16	16.43	....	16.82
29	14.51	....	14.15	14.30	....	12.43	11.95	....	14.06	16.48	17.05	16.75
30	....	....	14.14	14.37	....	12.49	11.87	13.14	14.01	....	17.45	16.61
31	....	....	14.17	....	Holiday	....	....	13.33	....	....	....	16.58

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 FINANCIAL (DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	14.51	14.41	15.35	15.19	....	13.92	13.88	....	15.32
2	13.69	13.25	13.86	14.43	....	15.22	15.02	....	13.92	14.09	15.01	15.14
3	....	13.44	13.85	14.35	....	15.23	Holiday	14.61	13.69	....	15.09	15.16
4	....	13.46	13.89	....	14.22	15.33	....	14.50	13.56	....	15.12	15.29
5	13.91	13.53	13.81	....	14.10	15.55	....	14.58	....	14.24	15.07	....
6	14.13	13.51	13.84	14.14	14.07	....	14.77	14.58	....	14.13	15.05	....
7	13.97	....	....	14.18	14.17	....	14.82	14.55	Holiday	14.45	....	15.14
8	13.82	....	....	14.25	14.20	15.63	14.86	....	13.30	14.58	....	15.09
9	13.79	13.49	13.95	14.35	....	15.61	14.93	....	13.36	14.53	15.22	15.02
10	....	13.54	13.98	14.40	....	15.89	14.98	14.63	13.61	....	15.27	14.99
11	....	13.44	13.91	....	14.14	16.24	....	14.89	13.91	....	15.41	14.90
12	13.80	13.39	14.19	....	14.20	16.29	....	14.89	....	14.60	15.49	....
13	13.72	13.22	14.26	14.30	14.31	....	15.03	14.87	....	14.59	15.36	....
14	13.66	....	....	14.28	14.39	....	14.91	14.79	13.80	14.32	....	14.63
15	13.62	....	....	14.45	14.50	16.56	14.90	....	13.79	14.43	....	14.66
16	13.65	Holiday	14.48	14.42	....	16.42	14.82	....	13.72	14.46	15.13	14.59
17	....	13.22	14.50	Holiday	....	16.38	14.80	14.64	13.63	....	15.23	14.56
18	....	13.32	14.72	....	14.67	15.99	....	14.55	13.69	....	15.18	14.63
19	13.62	13.15	14.77	....	14.84	15.93	....	14.55	....	14.44	15.18	....
20	13.39	13.17	14.81	14.44	14.79	....	14.44	14.54	....	14.49	15.24	....
21	13.35	....	....	14.34	14.77	....	14.25	14.41	13.88	14.50	....	14.58
22	13.18	....	....	14.44	14.81	15.88	14.12	....	13.84	14.44	....	14.52
23	13.21	13.35	14.85	14.58	....	16.00	14.12	....	13.81	14.32	15.15	14.44
24	....	13.40	14.65	14.82	....	15.84	14.29	14.07	13.85	....	15.26	14.42
25	....	13.52	14.71	....	Holiday	15.73	....	13.97	13.62	....	15.35	Holiday
26	13.24	13.65	14.54	....	14.85	15.64	....	13.99	....	14.28	Holiday	....
27	13.30	13.78	14.30	14.86	15.11	....	14.51	13.94	....	14.44	15.42	....
28	13.33	....	....	14.73	15.24	....	14.43	14.11	13.77	14.43	....	14.44
29	13.32	....	....	14.51	15.27	15.54	14.44	....	13.80	14.41	....	14.39
30	13.34	....	14.32	14.48	....	15.37	14.50	....	13.85	14.75	15.39	14.38
31	....	....	14.49	....	....	....	14.67	13.92	....	....	....	14.47

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 FINANCIAL (DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	12.59	....	11.15	11.66	....	12.94	12.87	Holiday	12.88	....	12.35
2	12.39	....	....	11.45	11.68	12.38	12.98	....	13.04	13.06	....	12.33
3	12.27	....	11.24	11.46	....	12.35	13.09	....	13.33	13.23	12.56	12.35
4	12.41	12.53	11.23	Holiday	....	12.55	Holiday	12.92	13.33	....	Holiday	12.53
5	....	12.50	10.99	....	11.96	12.60	....	12.93	13.27	....	12.64	12.49
6	....	12.44	10.75	....	12.15	12.67	....	12.99	....	13.42	12.39	....
7	12.48	12.36	10.70	11.31	12.38	....	13.14	13.10	....	13.43	12.39	....
8	12.64	12.28	....	11.45	12.27	....	13.10	13.11	13.14	13.44	....	12.35
9	12.66	....	....	11.56	12.08	12.74	13.05	....	13.29	13.45	....	12.36
10	12.75	....	10.63	11.74	....	12.93	12.99	....	13.39	13.41	12.37	12.29
11	12.79	12.21	10.86	11.77	....	12.99	13.07	13.22	13.48	....	12.60	12.17
12	....	12.23	10.79	....	12.08	13.04	....	13.14	13.46	....	12.93	12.32
13	....	12.23	10.79	....	12.15	13.12	....	13.09	....	13.42	13.04	....
14	12.83	12.16	10.88	11.59	12.24	....	13.24	13.19	....	13.39	12.96	....
15	12.81	12.04	....	11.51	12.33	....	13.16	13.21	13.43	13.37	....	12.48
16	12.69	....	....	11.54	12.33	13.02	13.22	....	13.48	13.20	....	12.60
17	12.56	....	10.57	11.44	....	12.96	13.28	....	13.63	13.12	12.82	12.84
18	12.59	Holiday	10.67	11.44	....	12.91	13.26	13.06	13.65	....	12.87	13.16
19	....	11.91	10.66	....	12.30	12.91	....	12.94	13.76	....	12.79	13.42
20	....	11.94	10.62	....	12.22	12.88	....	12.98	....	13.05	12.81	....
21	12.62	11.69	10.59	11.34	12.16	....	13.25	13.11	....	12.97	12.67	....
22	12.63	11.49	....	11.60	12.25	....	13.14	13.15	13.75	12.95	....	13.68
23	12.83	....	....	11.68	12.42	12.94	13.01	....	13.66	12.80	....	13.68
24	12.77	....	10.39	11.73	....	13.00	12.94	....	13.62	12.77	12.58	13.63
25	12.74	11.32	10.45	11.66	....	13.11	12.81	13.08	13.40	....	12.62	Holiday
26	....	11.32	10.56	....	Holiday	13.07	....	13.05	13.11	....	12.58	13.67
27	....	11.19	10.41	....	12.45	13.06	....	12.98	....	12.61	Holiday	....
28	12.77	11.14	10.66	11.76	12.45	....	12.81	12.88	....	12.57	12.53	....
29	12.67	11.34	....	11.74	12.30	....	12.91	12.89	12.86	12.54	....	13.52
30	12.70	....	....	11.74	12.43	12.94	12.91	....	12.92	12.40	....	13.55
31	12.55	....	10.96	....	....	....	12.90	....	....	12.49	....	13.70

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 FINANCIAL (DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	11.59	11.15	....	11.86	12.01	....	13.31	....	13.18	11.90	....
2	11.23	11.55	11.21	11.77	11.84	....	12.88	13.41	....	13.28	11.91	....
3	11.39	....	....	11.88	11.90	....	12.95	13.38	Holiday	13.23	....	12.44
4	11.53	....	....	11.91	11.87	12.02	Holiday	....	13.47	13.28	....	12.55
5	11.66	11.33	11.35	11.95	....	12.16	13.02	....	13.33	13.40	11.86	12.58
6	....	11.35	11.37	11.96	....	12.23	13.18	13.31	13.34	....	11.79	12.65
7	....	11.21	11.45	....	11.65	12.31	....	13.52	13.35	....	11.65	12.63
8	11.66	11.27	11.68	....	11.70	12.26	....	13.54	....	13.15	11.71	....
9	11.76	11.25	11.65	11.98	11.75	....	13.28	13.46	....	12.59	11.89	....
10	11.69	....	....	12.16	11.67	....	13.12	13.59	13.43	12.36	....	12.59
11	11.70	....	....	12.08	11.68	12.24	13.15	....	13.38	12.30	....	12.53
12	11.79	11.24	11.63	12.05	....	12.47	13.05	....	13.32	12.26	12.06	12.45
13	....	11.31	11.66	Holiday	....	12.53	12.98	13.75	13.33	....	12.03	12.39
14	....	11.35	11.62	....	11.62	12.52	....	13.81	13.41	....	12.02	12.41
15	11.90	11.31	11.64	....	11.66	12.54	....	13.85	....	12.03	12.06	....
16	11.72	11.30	11.63	11.92	11.73	....	13.06	13.87	....	12.10	11.99	....
17	11.71	....	....	11.96	11.85	....	12.95	13.83	13.45	12.12	....	12.46
18	11.74	....	....	12.00	11.84	12.54	12.89	....	13.34	12.10	....	12.39
19	11.72	Holiday	11.69	11.97	...	12.58	12.85	....	13.34	11.83	11.99	12.39
20	....	11.36	11.64	11.97	....	12.62	12.89	13.90	13.43	....	11.97	12.45
21	....	11.30	11.75	....	11.92	12.66	....	13.89	13.47	....	11.97	12.42
22	11.64	11.22	11.81	....	12.03	12.71	....	13.88	....	11.72	Holiday	....
23	11.74	11.18	11.83	11.99	12.09	....	12.86	13.90	....	11.69	12.05	....
24	11.70	....	....	12.06	12.07	....	12.86	13.81	13.43	11.73	....	12.45
25	11.81	....	....	12.03	12.10	12.67	12.98	....	13.43	11.71	....	Holiday
26	11.85	11.18	11.75	11.96	....	12.70	13.00	....	13.46	11.77	12.42	12.50
27	....	11.05	11.87	11.93	....	12.87	13.03	13.84	13.43	....	12.56	12.56
28	....	11.05	11.84	....	Holiday	13.02	....	13.82	13.34	....	12.67	12.57
29	11.76	....	11.86	....	12.06	13.05	....	13.75	....	11.77	12.65	....
30	11.73	....	11.84	11.88	11.96	....	13.08	13.69	....	11.95	12.52	....
31	11.61	....	....	....	11.94	....	13.21	13.68	....	11.88	....	12.57

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 FINANCIAL (DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	10.35	10.24	....	11.87	11.79	....	12.17	12.74	....	11.45	11.39
2	Holiday	10.40	10.28	....	11.80	11.89	....	12.41	....	12.52	11.30	....
3	11.00	10.37	10.29	10.53	11.64	....	11.50	12.64	....	12.53	11.29	....
4	10.91	....	....	10.57	11.61	....	Holiday	12.75	Holiday	12.53	....	11.39
5	10.87	....	....	10.66	11.70	12.11	11.40	....	12.80	12.56	....	11.55
6	10.64	10.37	10.22	10.73	....	12.23	11.44	....	12.94	12.63	11.28	11.59
7	....	10.42	10.27	10.74	....	12.22	11.45	12.80	12.94	....	11.14	11.62
8	....	10.50	10.32	....	11.71	12.22	....	12.88	13.11	....	11.10	11.57
9	10.52	10.49	10.34	....	11.69	12.21	....	13.04	....	12.77	11.14	....
10	10.45	10.50	10.45	10.80	11.67	....	11.49	12.94	....	12.83	11.21	....
11	10.44	....	....	10.76	11.84	....	11.54	12.90	13.18	12.97	....	11.57
12	10.41	....	....	10.79	12.06	12.21	11.58	....	13.16	12.97	....	11.49
13	10.35	10.45	10.47	11.02	....	12.17	11.58	....	13.12	12.90	11.04	11.50
14	....	10.35	10.49	11.21	....	12.22	11.79	12.92	12.98	....	10.94	11.48
15	....	10.35	10.50	....	12.07	12.06	....	12.88	12.82	....	10.98	11.37
16	10.29	10.22	10.53	....	12.19	11.95	....	13.02	....	12.62	11.08	....
17	10.41	10.20	10.61	11.39	12.22	....	11.86	13.12	....	12.43	11.19	....
18	10.51	....	....	11.24	12.16	....	11.80	13.11	12.71	12.31	....	11.09
19	10.48	....	....	11.40	12.08	11.90	11.93	....	12.62	12.14	....	11.12
20	10.42	Holiday	10.74	11.58	....	11.74	11.95	....	12.58	11.88	11.29	11.10
21	....	10.14	10.65	11.57	....	11.63	11.86	12.97	12.55	....	11.25	11.09
22	....	10.17	10.63	....	12.09	11.61	....	12.96	12.53	....	11.32	11.22
23	10.32	10.20	10.63	....	11.99	11.59	....	13.06	....	11.86	Holiday	....
24	10.33	10.33	Holiday	11.74	11.84	....	11.83	13.05	....	11.79	11.36	....
25	10.34	....	....	11.87	11.78	....	11.91	12.91	12.48	11.70	....	Holiday
26	10.24	....	....	11.93	11.72	11.37	11.99	....	12.54	11.49	....	11.32
27	10.23	10.28	10.55	11.73	....	11.44	12.02	....	12.43	11.30	11.33	11.25
28	....	10.18	10.67	11.73	....	11.51	12.02	12.83	12.43	....	11.27	11.23
29	....	....	10.72	....	Holiday	11.54	....	12.74	12.48	....	11.15	11.22
30	10.29	....	10.68	....	11.73	11.52	....	12.69	....	11.30	11.21	....
31	10.25	....	10.64	....	11.76	....	12.12	12.69	....	11.09	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 UTILITIES (DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	51.90	52.11	52.94	....	53.19	51.76	....	55.89	56.58	59.68	58.72
2	....	51.93	52.50	53.32	....	53.37	51.57	51.02	56.25	....	60.66	58.84
3	....	51.71	52.27	....	54.95	53.26	....	51.45	57.09	....	61.69	58.81
4	53.37	51.44	52.09	....	55.07	52.89	....	51.09	....	56.84	61.10	....
5	52.90	51.67	52.16	53.28	55.12	....	Holiday	50.74	....	56.86	61.40	....
6	52.49	....	....	53.22	55.67	....	51.40	50.62	Holiday	57.59	....	58.76
7	52.28	....	....	53.44	56.02	52.71	51.26	....	56.60	58.48	....	59.07
8	52.85	50.95	52.33	53.50	....	52.65	51.36	....	56.37	59.69	60.79	59.24
9	....	50.70	52.50	Holiday	....	52.29	51.98	50.31	56.18	....	61.49	58.98
10	....	51.03	52.57	....	55.86	52.46	....	50.39	55.69	....	61.13	58.87
11	51.65	51.06	52.21	....	55.90	52.84	....	50.54	....	60.98	61.07	....
12	51.32	51.25	52.03	53.72	55.88	....	52.60	50.89	....	60.56	60.50	....
13	50.72	....	....	54.03	55.64	....	52.43	51.73	55.93	60.91	....	58.95
14	50.90	....	....	54.15	55.38	52.52	52.22	....	56.42	60.39	....	59.16
15	51.18	Holiday	51.92	54.24	....	52.31	52.23	....	56.82	59.94	60.02	58.62
16	....	50.98	51.73	54.38	....	52.12	52.39	52.37	56.72	....	59.08	58.53
17	....	50.89	51.71	....	54.92	51.56	....	54.51	56.35	....	60.05	58.90
18	51.61	50.86	51.93	....	54.42	51.33	....	54.34	....	60.69	60.32	....
19	51.22	51.09	52.09	54.51	54.21	....	52.56	54.26	....	60.66	59.83	....
20	51.17	....	....	54.20	54.21	....	52.74	55.86	56.15	61.00	....	58.73
21	51.48	....	....	54.41	54.52	51.09	52.68	....	56.95	60.33	....	59.52
22	51.53	51.28	52.53	54.93	....	51.15	52.60	....	57.02	60.60	59.25	59.78
23	....	51.61	52.78	55.31	....	51.23	52.52	56.12	57.18	....	58.77	59.92
24	....	52.01	52.83	....	54.40	51.34	....	56.13	56.93	....	58.81	Holiday
25	51.37	52.04	52.94	....	54.35	51.20	....	56.43	....	59.26	Holiday	....
26	51.50	52.06	52.59	55.61	53.88	....	52.10	56.65	....	59.02	58.77	....
27	51.58	....	....	55.27	53.79	....	51.15	55.88	56.75	59.35	....	60.31
28	52.30	....	....	55.15	53.38	51.48	50.62	....	56.61	58.69	....	60.19
29	52.71	....	52.62	54.86	....	51.89	50.64	....	56.20	59.20	58.38	60.44
30	....	....	52.58	54.88	....	52.05	50.54	55.66	55.99	....	58.82	60.53
31	....	....	52.47	....	Holiday	....	....	56.18	....	....	....	60.45

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 UTILITIES (DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	51.51	50.13	51.11	51.74	....	52.59	50.23	....	54.58
2	52.90	50.40	49.64	51.61	....	50.51	51.49	....	52.59	50.86	53.54	54.17
3	....	50.48	49.53	51.43	....	50.19	Holiday	53.58	52.10	....	53.50	54.15
4	....	50.47	49.39	....	49.45	50.07	....	53.58	51.08	....	53.53	54.44
5	53.97	50.70	49.36	....	49.07	50.36	....	53.77	....	51.07	53.68	....
6	53.79	50.92	49.41	51.07	49.15	....	51.07	53.89	....	51.01	53.39	....
7	52.90	....	....	51.03	49.38	....	51.29	53.94	Holiday	51.73	....	54.21
8	52.47	....	....	51.06	49.61	50.64	51.68	....	50.28	51.86	....	54.19
9	52.11	50.80	49.68	51.09	....	50.66	51.78	....	50.48	51.74	54.46	54.03
10	....	50.49	49.77	51.04	....	51.62	52.18	54.55	51.05	....	54.66	53.99
11	....	50.10	49.69	....	49.60	52.55	....	55.72	51.76	....	54.48	53.93
12	52.28	49.95	50.42	....	50.23	52.74	....	55.73	....	51.51	55.08	....
13	51.92	49.41	50.66	50.42	50.72	....	52.44	55.75	....	51.54	55.05	....
14	51.91	....	....	50.24	51.03	....	52.19	55.56	51.29	50.97	....	53.34
15	52.12	....	....	50.69	51.14	53.98	52.59	....	51.36	51.21	....	53.23
16	52.27	Holiday	50.99	51.12	....	53.67	52.73	....	51.08	51.03	54.94	52.78
17	....	49.25	50.95	Holiday	....	53.43	53.06	55.09	50.78	....	54.94	52.82
18	....	49.31	51.09	....	51.12	52.94	....	54.33	50.57	....	54.86	53.40
19	52.52	48.96	50.95	....	50.87	53.05	....	54.58	....	51.08	54.69	....
20	52.12	49.14	51.05	51.38	50.75	....	52.35	54.52	....	51.61	54.90	....
21	52.01	....	....	51.37	50.39	....	52.04	54.21	50.99	51.56	....	53.09
22	51.49	....	....	51.07	50.58	53.11	51.86	....	51.09	51.43	....	53.26
23	51.00	49.20	50.74	50.86	....	53.52	51.81	....	50.48	51.26	54.63	52.99
24	....	49.15	50.50	50.88	....	53.00	52.23	52.90	50.78	....	54.93	53.01
25	....	48.97	50.90	....	Holiday	52.87	....	52.36	50.06	....	54.91	Holiday
26	50.80	49.14	50.81	....	50.93	52.56	....	52.62	....	51.08	Holiday	....
27	50.86	49.48	50.59	50.94	50.84	....	52.93	52.59	....	51.49	55.10	....
28	50.85	....	....	50.64	51.15	....	52.83	53.00	50.04	51.82	....	53.12
29	50.90	....	....	50.40	51.24	52.59	53.15	....	50.31	51.94	....	52.80
30	51.05	....	50.77	50.21	....	52.20	53.18	....	50.36	53.02	55.12	53.05
31	....	....	51.13	....	....	....	53.54	52.97	....	....	....	52.98

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 UTILITIES (DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	49.92	....	46.00	49.98	....	52.60	51.66	Holiday	49.86	....	52.22
2	49.81	....	....	46.53	49.98	50.87	52.63	....	51.20	50.28	....	51.89
3	49.78	....	47.76	46.62	....	50.63	53.25	....	52.01	51.03	50.80	52.02
4	50.08	50.04	47.27	Holiday	....	50.95	Holiday	51.26	51.86	....	Holiday	52.01
5	....	49.90	46.61	....	50.28	51.05	....	50.97	51.65	....	51.12	51.48
6	....	50.01	45.74	....	50.41	51.30	....	50.92	....	51.94	50.35	....
7	50.24	50.00	45.28	46.21	51.40	....	53.23	51.00	....	51.95	50.30	....
8	50.74	50.31	....	46.41	51.07	....	53.34	51.24	51.19	52.05	....	50.41
9	51.07	....	....	47.15	50.42	51.43	53.12	....	51.05	51.92	....	50.16
10	51.12	....	45.63	48.25	....	51.90	53.04	....	51.37	51.83	50.20	50.01
11	51.03	50.01	46.20	48.33	....	52.16	52.94	51.13	51.27	....	51.02	49.49
12	....	49.95	45.81	....	50.22	52.25	....	51.22	51.17	....	52.14	49.75
13	....	50.27	45.68	....	50.54	53.04	....	51.25	....	51.88	52.88	....
14	50.89	49.89	45.89	47.79	50.65	....	53.02	51.38	....	52.04	52.94	....
15	50.89	49.20	....	47.74	50.70	....	53.02	51.59	51.17	52.23	....	49.70
16	50.61	....	....	48.54	50.55	53.57	53.00	....	51.40	51.89	....	49.54
17	50.37	....	45.03	49.15	....	53.80	53.04	....	51.59	51.76	52.75	50.42
18	50.22	Holiday	45.50	49.19	....	53.97	53.08	51.13	51.44	....	53.11	52.30
19	....	48.50	45.64	....	50.33	53.44	....	51.07	51.45	....	53.01	53.15
20	....	48.68	45.57	....	50.19	53.28	....	51.08	....	51.79	53.10	....
21	50.02	48.54	45.22	48.77	50.07	....	52.95	51.39	....	51.73	52.79	....
22	49.84	48.25	....	49.26	50.43	....	52.96	51.51	51.25	51.95	....	53.80
23	50.01	....	....	49.69	50.98	53.15	52.68	....	51.01	51.71	....	53.77
24	50.07	....	44.17	50.23	....	53.28	52.75	....	50.96	51.67	52.29	53.50
25	49.92	47.67	43.89	49.90	....	53.36	....	51.30	50.61	....	52.78	Holiday
26	....	47.48	43.99	....	Holiday	53.16	52.56	51.24	50.12	....	52.91	53.48
27	....	47.04	43.29	....	51.22	53.08	....	50.92	....	51.30	Holiday	....
28	49.83	47.03	44.11	49.95	51.45	....	52.36	50.71	....	51.06	52.95	....
29	49.58	48.10	....	49.88	51.07	....	52.27	50.86	49.42	50.98	....	52.66
30	49.88	....	....	50.10	51.31	52.63	52.24	....	49.87	50.62	....	52.36
31	49.73	....	45.15	....	....	....	52.00	....	....	50.82	....	52.45

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 UTILITIES (DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	51.42	50.31	....	48.88	49.35	....	52.04	....	50.69	48.15	....
2	48.75	51.28	50.43	50.14	48.87	....	50.87	52.06	....	50.91	48.09	....
3	49.21	....	....	50.54	48.89	....	51.02	52.16	Holiday	50.99	....	50.41
4	49.56	....	....	50.70	48.62	49.44	Holiday	....	51.84	51.14	....	50.42
5	49.92	50.97	50.53	50.75	....	49.57	51.16	....	51.40	51.36	47.89	50.65
6	....	50.69	50.47	50.82	....	49.92	51.54	52.19	51.48	....	47.73	50.75
7	....	50.48	50.51	....	48.18	50.32	....	52.38	51.53	....	47.21	50.70
8	49.82	50.58	50.79	....	48.04	50.35	....	52.48	....	51.06	47.21	....
9	49.94	50.62	50.77	50.69	48.25	....	52.07	52.27	....	49.95	47.62	....
10	50.02	....	....	50.68	48.05	....	52.21	52.42	51.53	48.73	....	50.80
11	49.97	....	....	50.51	48.10	50.44	52.18	....	51.43	49.14	....	50.64
12	50.20	50.69	50.55	50.49	....	50.81	51.99	....	51.41	49.34	47.98	50.47
13	....	50.72	50.54	Holiday	....	51.08	51.90	52.62	51.23	....	48.18	50.38
14	....	50.95	50.39	....	47.98	50.89	....	52.74	51.11	....	48.38	50.54
15	50.26	50.86	50.37	....	48.04	51.01	....	52.81	....	48.92	48.67	....
16	50.17	50.97	50.63	50.15	48.18	....	51.95	52.73	....	48.88	48.59	....
17	50.09	....	....	50.23	48.84	....	51.95	52.66	51.17	48.99	....	50.61
18	50.29	....	....	50.04	49.02	50.98	51.69	....	50.79	49.04	....	50.59
19	50.43	Holiday	50.84	50.05	....	50.88	51.61	....	50.72	48.20	48.78	50.71
20	....	51.03	50.64	49.91	....	50.92	51.59	52.70	50.88	....	48.88	50.61
21	....	50.93	50.75	....	49.01	50.85	....	52.85	50.96	....	48.99	50.37
22	50.35	50.79	50.74	....	48.76	50.98	....	52.83	....	47.67	Holiday	....
23	50.66	50.68	50.72	49.73	48.75	....	51.54	52.57	....	47.27	49.20	....
24	50.83	....	....	49.68	48.87	....	51.57	52.72	50.82	47.14	....	50.25
25	51.15	....	....	49.50	49.21	50.83	51.71	....	50.71	47.22	....	Holiday
26	51.39	50.45	50.58	49.11	....	50.82	51.83	....	50.95	47.69	50.18	50.34
27	....	50.01	50.84	49.05	....	50.88	51.92	52.72	51.10	....	50.72	50.29
28	....	49.98	50.85	....	Holiday	50.90	....	52.63	50.98	....	50.90	50.24
29	51.45	....	50.83	....	49.26	50.81	....	52.58	....	47.71	50.77	....
30	51.28	....	50.58	48.94	49.21	....	51.85	52.44	....	48.14	50.53	....
31	51.45	....	....	....	49.29	....	52.16	52.30	....	48.01	....	50.24

STANDARD & POOR'S DAILY STOCK PRICE INDEX
40 UTILITIES (DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	51.74	50.84	....	52.36	52.34	....	53.28	52.74	....	49.00	50.01
2	Holiday	51.88	50.80	....	52.36	52.64	....	53.49	....	52.18	49.00	....
3	54.47	51.84	50.98	51.63	52.21	....	51.90	53.88	....	52.13	48.81	....
4	54.30	....	....	51.77	51.91	....	Holiday	53.89	Holiday	52.17	....	49.94
5	54.20	....	....	51.95	51.85	52.65	51.81	....	52.73	52.22	....	50.13
6	53.70	51.82	50.89	51.91	....	52.82	51.77	....	52.72	52.28	48.82	50.16
7	....	52.10	51.09	52.06	....	52.84	51.90	53.75	52.77	....	48.37	50.13
8	....	52.53	51.46	....	51.69	52.85	....	53.68	53.04	....	48.41	50.14
9	52.79	52.29	51.50	....	51.56	52.75	....	53.77	....	52.44	48.51	....
10	52.52	52.23	51.85	52.00	51.59	....	51.78	53.61	....	52.36	48.74	....
11	52.30	....	....	52.05	51.54	....	52.08	53.51	53.15	52.52	....	50.17
12	52.14	....	....	52.00	51.58	52.61	52.42	....	53.01	52.47	....	49.96
13	52.23	52.17	51.86	52.00	....	52.46	52.29	....	52.93	52.41	48.45	49.82
14	....	51.73	51.92	52.25	....	52.69	52.30	53.53	52.65	....	48.23	49.54
15	....	51.58	52.07	....	51.66	52.29	....	53.51	52.56	....	48.45	49.30
16	52.17	51.43	52.08	....	51.59	52.12	....	53.35	....	52.18	48.74	....
17	52.09	51.24	52.16	52.39	51.46	....	52.34	53.42	....	51.66	49.04	....
18	52.15	....	....	52.19	51.33	....	52.18	53.33	52.35	51.46	....	48.61
19	52.15	....	....	52.25	51.44	52.02	52.36	....	52.26	51.19	....	48.60
20	52.15	Holiday	52.33	52.30	....	51.83	52.39	....	52.08	50.68	49.48	48.53
21	....	50.97	52.03	52.49	....	51.69	52.25	53.12	52.23	....	49.67	48.46
22	....	50.88	52.00	....	51.72	51.81	....	53.17	52.20	....	49.80	48.76
23	51.89	50.82	52.01	....	51.54	51.95	....	53.20	....	50.50	Holiday	....
24	51.76	51.23	Holiday	52.62	51.29	....	52.38	53.19	....	50.46	49.81	....
25	51.71	....	....	52.59	51.53	....	52.49	53.15	52.22	50.36	....	Holiday
26	51.48	....	....	52.36	51.57	51.74	52.62	....	52.42	49.86	....	48.71
27	51.39	51.03	51.97	52.18	....	51.77	52.79	....	52.20	49.39	49.80	48.58
28	....	50.80	52.03	52.22	....	51.79	53.06	52.93	52.28	....	49.78	48.45
29	....	....	52.05	....	Holiday	51.92	....	52.77	52.16	....	49.42	48.47
30	51.49	....	51.97	....	51.80	51.92	....	52.77	....	48.91	49.58	....
31	51.47	....	52.02	....	52.09	....	53.20	52.82	....	48.23	....	....

STANDARD & POOR'S DAILY STOCK PRICE INDEX
20 TRANSPORTATION (DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	19.82	18.36	18.22	....	17.36	17.34	....	19.82	19.94	23.04	24.04
2	....	19.97	18.34	18.48	....	17.54	17.18	17.24	20.27	....	23.42	23.90
3	....	19.76	17.75	....	18.65	17.58	....	16.95	20.50	....	24.43	23.92
4	21.67	19.56	17.43	....	18.85	17.21	....	16.65	....	19.76	24.25	....
5	21.08	19.64	17.26	18.43	18.91	....	Holiday	16.50	....	19.87	24.35	....
6	20.98	....	....	18.56	19.09	....	17.19	16.30	Holiday	20.51	....	24.70
7	20.79	....	....	18.78	19.21	17.30	17.17	....	20.26	21.17	....	24.93
8	20.84	18.89	16.62	19.05	....	17.14	17.22	....	20.52	21.40	23.99	24.46
9	....	18.76	17.08	Holiday	....	17.00	17.56	16.18	20.81	....	24.36	23.59
10	....	19.06	17.14	....	18.82	17.18	....	16.16	20.42	....	24.25	23.62
11	19.93	19.03	17.29	....	19.19	17.47	....	16.13	....	21.83	24.29	....
12	19.85	18.97	17.18	18.94	19.09	....	17.52	16.06	....	22.01	23.79	....
13	19.57	....	....	18.89	19.02	....	17.39	16.28	20.74	22.63	....	23.76
14	19.76	....	....	18.69	19.01	17.19	17.53	....	20.66	22.39	....	23.24
15	20.07	Holiday	17.45	18.60	....	17.11	17.39	....	20.51	22.30	23.44	23.02
16	....	18.89	17.47	18.86	....	16.98	17.42	16.43	20.15	....	22.99	23.03
17	....	18.87	17.42	....	18.77	16.72	....	17.39	19.82	....	23.29	23.55
18	20.37	18.92	17.67	....	18.41	16.69	....	17.34	....	22.81	23.43	....
19	19.86	18.51	17.67	18.93	18.16	....	17.15	17.27	....	22.99	23.31	....
20	19.57	....	....	18.64	18.09	....	17.25	17.84	19.95	23.40	....	23.14
21	19.50	....	....	18.46	18.13	16.64	17.16	....	20.39	23.82	....	23.42
22	19.32	18.21	18.07	18.62	....	16.90	17.21	....	20.24	24.29	22.64	23.58
23	....	18.08	18.32	18.80	....	17.47	17.31	18.62	20.26	....	22.33	23.72
24	....	18.49	18.19	....	18.01	17.36	....	18.73	20.18	....	22.59	Holiday
25	19.32	18.38	18.11	....	17.89	17.25	....	19.29	....	23.25	Holiday	....
26	19.08	18.32	17.80	19.15	17.61	....	17.15	19.60	....	23.10	22.84	....
27	19.22	....	....	18.95	17.55	....	16.99	19.37	20.23	23.07	....	24.36
28	19.95	....	....	18.73	17.34	17.47	16.80	....	20.22	22.79	....	24.05
29	20.23	....	18.01	18.51	....	17.52	16.85	....	19.97	22.75	22.91	24.11
30	....	....	18.02	18.53	....	17.56	16.84	19.52	19.68	....	23.96	24.05
31	....	....	17.98	....	Holiday	....	....	19.87	....	....	....	24.18

STANDARD & POOR'S DAILY STOCK PRICE INDEX
20 TRANSPORTATION (DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	26.38	24.67	24.43	23.81	....	21.07	20.02	....	22.76
2	24.97	23.75	23.94	26.42	....	23.65	23.53	....	21.13	20.67	21.91	22.45
3	....	24.07	23.99	26.37	....	23.68	Holiday	23.51	20.55	....	22.09	22.52
4	....	24.26	24.49	....	24.23	23.93	....	23.58	20.39	....	22.41	22.62
5	25.29	24.41	24.26	....	23.94	24.15	....	23.72	....	20.73	22.07	....
6	24.76	24.61	24.10	25.93	24.06	....	23.01	23.70	....	20.89	21.99	....
7	24.08	....	....	25.95	24.26	....	23.08	23.65	Holiday	21.35	....	22.49
8	23.53	....	....	26.18	24.38	24.38	23.11	....	20.02	21.28	....	22.59
9	23.55	23.98	24.12	26.41	....	24.34	23.47	....	20.05	21.19	22.06	22.70
10	....	23.91	24.11	26.57	....	24.32	23.59	23.70	20.28	....	22.11	22.82
11	....	23.58	24.07	....	23.86	24.40	....	23.75	20.39	....	22.45	22.54
12	23.73	23.39	24.99	....	23.95	24.31	....	23.75	....	21.25	22.45	....
13	23.81	23.31	25.22	26.01	24.19	....	23.64	23.83	....	21.14	21.89	....
14	24.02	....	....	25.92	24.40	....	23.45	23.83	20.32	20.74	....	22.06
15	24.48	....	....	26.37	24.69	24.15	23.62	....	20.22	20.96	....	22.03
16	24.95	Holiday	25.69	26.43	....	23.82	23.76	....	20.10	20.86	21.33	21.95
17	....	23.44	25.54	Holiday	....	24.02	23.82	23.52	19.85	....	21.34	22.28
18	....	23.60	25.35	....	24.89	23.87	....	23.18	19.76	....	21.20	22.49
19	24.94	23.08	24.75	....	24.62	24.04	....	23.14	....	20.85	21.10	....
20	24.45	22.90	24.83	26.16	24.55	....	23.42	23.09	....	21.17	21.45	....
21	24.26	....	....	25.73	24.54	....	23.67	22.90	19.85	21.10	....	22.26
22	24.09	....	....	25.79	24.52	24.10	23.55	....	19.87	21.05	....	21.88
23	24.01	22.99	25.35	25.54	....	24.31	23.54	....	19.48	20.87	21.55	21.76
24	....	23.23	25.49	25.48	....	24.28	23.66	22.09	19.39	....	21.93	21.86
25	....	23.27	26.13	....	Holiday	24.24	....	21.81	18.88	....	22.02	Holiday
26	23.68	23.67	26.06	....	24.89	24.15	....	21.82	....	20.85	Holiday	....
27	24.02	23.73	25.83	25.32	25.13	....	23.69	21.50	....	21.09	22.26	....
28	24.12	....	....	24.98	25.09	....	23.56	21.53	19.43	21.30	....	21.69
29	24.20	....	....	24.81	24.80	24.02	23.54	....	19.87	21.20	....	21.52
30	24.40	....	25.86	24.74	....	24.05	23.73	....	19.74	21.64	22.71	21.63
31	....	....	26.35	....	....	....	23.75	21.22	....	....	....	21.69

STANDARD & POOR'S DAILY STOCK PRICE INDEX
20 TRANSPORTATION (DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	16.68	....	15.16	14.38	....	16.36	18.53	Holiday	20.48	....	25.93
2	14.91	....	....	15.30	14.73	16.01	16.64	....	19.05	20.72	....	25.63
3	14.75	....	17.02	15.25	....	15.96	17.13	....	19.33	20.99	22.50	25.48
4	14.97	16.61	17.00	Holiday	....	16.23	Holiday	18.51	19.23	....	Holiday	25.46
5	....	16.78	16.75	....	14.87	16.41	....	18.50	19.11	....	22.95	24.61
6	....	17.32	16.38	....	14.88	16.41	....	18.58	....	21.17	22.60	....
7	14.90	17.65	16.08	14.88	15.00	....	17.44	18.76	....	21.16	22.61	....
8	14.91	18.12	....	15.00	14.97	....	17.37	18.91	18.78	21.08	....	23.74
9	14.91	....	....	15.21	14.88	16.39	17.40	....	18.81	21.18	....	23.80
10	14.99	....	16.08	15.25	....	16.45	17.30	....	18.78	21.06	22.70	23.60
11	15.00	17.78	16.07	15.10	....	16.52	17.42	18.92	18.81	....	23.35	23.37
12	....	17.61	15.90	....	14.94	16.45	....	18.91	18.86	....	24.10	23.82
13	....	17.64	15.79	....	15.16	16.39	....	18.71	....	21.27	24.32	....
14	15.09	17.24	15.75	14.94	15.41	....	17.93	18.94	....	21.19	24.51	....
15	15.21	17.08	....	14.62	15.30	....	17.93	19.05	19.41	21.40	....	23.87
16	15.30	....	....	14.58	15.25	16.42	17.97	....	2[illegible]08	21.56	....	24.02
17	15.37	....	15.25	14.30	....	16.38	18.45	....	20.68	21.60	25.00	24.59
18	15.40	Holiday	15.29	14.12	....	16.37	18.74	18.75	20.67	....	25.82	24.81
19	....	17.04	15.47	....	15.21	16.13	....	18.70	20.75	....	25.51	24.62
20	....	17.30	15.32	....	15.15	15.86	....	18.85	....	22.09	26.02	....
21	15.69	17.26	15.14	13.89	15.17	....	18.99	19.15	....	22.58	26.12	....
22	15.77	17.28	....	14.50	15.47	....	18.89	19.29	21.01	23.27	....	24.90
23	16.00	....	....	14.51	15.78	15.85	18.57	....	21.13	22.92	....	24.44
24	16.21	....	14.76	14.33	....	16.04	18.43	....	21.20	22.94	25.05	24.66
25	16.27	16.89	14.74	14.41	....	16.22	18.18	19.10	20.85	....	26.00	Holiday
26	....	17.06	14.74	....	Holiday	16.43	....	19.08	20.31	....	26.68	24.92
27	....	16.96	14.38	....	16.08	16.42	....	18.80	....	22.49	Holiday	....
28	16.37	16.97	14.87	14.26	16.18	....	18.26	18.65	....	22.42	26.85	....
29	16.31	17.21	....	14.31	15.90	....	18.55	18.76	19.84	22.49	....	24.42
30	16.47	....	....	14.38	16.05	16.28	18.82	....	20.12	22.29	....	24.61
31	16.50	....	15.19	....	....	....	18.64	....	....	22.29	....	24.79

STANDARD & POOR'S DAILY STOCK PRICE INDEX
20 TRANSPORTATION (DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	13.27	13.02	....	14.03	14.31	....	15.84	....	15.69	14.23	....
2	13.03	13.23	13.04	13.83	14.02	....	14.61	15.77	....	15.56	14.12	....
3	13.26	....	....	14.14	14.06	....	14.71	15.69	Holiday	15.59	....	14.98
4	13.45	....	....	14.22	13.94	14.40	Holiday	....	15.76	15.67	....	15.12
5	13.49	13.00	13.15	14.30	....	14.55	14.82	....	15.57	15.82	14.03	15.18
6	....	13.01	13.07	14.38	....	14.64	15.05	15.74	15.50	....	13.99	15.37
7	....	12.83	13.20	....	13.63	14.70	....	15.98	15.56	....	13.86	15.29
8	13.41	12.88	13.35	....	13.63	14.67	....	16.13	....	15.65	13.93	....
9	13.40	12.91	13.42	14.35	13.74	....	15.29	16.09	....	15.10	14.11	....
10	13.24	....	....	14.39	13.74	....	15.28	16.24	15.68	14.86	....	15.28
11	13.24	....	....	14.28	13.79	14.68	15.28	....	15.58	14.82	....	15.25
12	13.42	12.99	13.42	14.25	....	14.84	15.10	....	15.64	14.73	14.31	15.21
13	....	13.20	13.51	Holiday	....	14.83	15.12	16.43	15.78	....	14.35	15.24
14	....	13.21	13.46	....	13.76	14.76	....	16.39	15.91	....	14.39	15.35
15	13.52	13.14	13.53	....	13.82	14.74	....	16.52	....	14.53	14.61	....
16	13.46	13.16	13.57	14.13	13.83	....	15.29	16.36	....	14.47	14.61	....
17	13.49	....	....	14.15	14.20	....	15.12	16.34	15.93	14.54	....	15.41
18	13.65	....	....	14.19	14.27	14.63	15.12	....	15.76	14.48	....	15.26
19	13.71	Holiday	13.61	14.14	....	14.63	15.18	....	15.72	14.09	14.60	15.29
20	....	13.26	13.53	14.06	....	14.62	15.25	16.35	15.85	....	14.53	15.43
21	....	13.21	13.52	....	14.38	14.71	....	16.38	15.91	....	14.66	15.28
22	13.56	13.16	13.57	....	14.51	14.78	....	16.44	....	13.84	Holiday	....
23	13.57	13.14	13.61	14.08	14.45	....	15.18	16.40	....	13.76	14.79	....
24	13.56	....	....	14.18	14.39	....	15.19	16.24	15.79	13.80	....	15.25
25	13.68	....	....	14.19	14.44	14.69	15.41	....	15.75	13.81	....	Holiday
26	13.62	13.16	13.59	14.16	....	14.56	15.44	....	15.73	13.30	15.03	15.16
27	....	12.85	13.84	14.10	....	14.64	15.50	16.28	15.75	....	15.10	15.14
28	....	12.90	13.88	....	Holiday	14.69	....	16.21	15.60	....	15.16	15.15
29	13.59	....	13.86	....	14.44	14.63	....	16.17	....	13.98	15.14	....
30	13.49	....	13.85	14.04	14.29	....	15.57	16.11	....	14.18	15.05	....
31	13.31	....	....	....	14.30	....	15.71	16.04	....	14.05	....	15.07

STANDARD & POOR'S DAILY STOCK PRICE INDEX
20 TRANSPORTATION (DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	13.07	12.51	....	14.09	13.87	....	14.90	15.55	....	13.76	13.38
2	Holiday	13.21	12.56	....	14.04	13.99	....	15.33	....	15.12	13.45	....
3	13.53	13.28	12.56	12.62	13.97	....	13.52	15.45	....	15.12	13.57	....
4	13.49	....	....	12.67	13.94	....	Holiday	15.51	Holiday	15.21	....	13.39
5	13.35	....	....	12.75	14.02	14.26	13.34	....	15.77	15.25	....	13.59
6	13.11	13.24	12.44	12.76	....	14.42	13.36	....	15.99	15.27	13.41	13.55
7	....	13.30	12.40	12.85	....	14.37	13.48	15.48	16.05	....	13.19	13.44
8	....	13.37	12.47	....	13.93	14.35	....	15.53	16.20	....	13.23	13.39
9	12.88	13.23	12.45	....	13.79	14.33	....	15.56	....	15.35	13.19	....
10	12.89	13.16	12.58	12.91	13.80	....	13.64	15.35	....	15.40	13.31	....
11	12.92	....	....	12.82	13.98	....	13.77	15.39	16.16	15.53	....	13.47
12	12.98	....	....	12.81	14.12	14.26	13.76	....	16.13	15.58	....	13.34
13	13.01	12.97	12.56	12.94	....	14.21	13.72	....	15.99	15 57	12.95	13.22
14	....	12.83	12.73	13.24	....	14.23	13.87	15.43	15.72	....	12.76	13.11
15	....	12.68	12.75	....	14.15	13.97	....	15.39	15.55	....	12.81	12.95
16	13.03	12.58	12.77	....	14.30	13.76	....	15.56	....	15.22	12.98	....
17	13.08	12.67	12.91	13.53	14.30	....	13.96	15.62	....	14.81	13.04	....
18	13.30	....	....	13.36	14.19	....	13.91	15.59	15.29	14.57	....	12.61
19	13.19	....	....	13.51	14.06	13.77	14.16	....	15.21	14.27	....	12.68
20	13.16	Holiday	13.07	13.73	....	13.69	14.17	....	14.97	13.97	13.11	12.62
21	....	12.61	12.93	13.72	....	13.50	14.10	15.30	14.89	....	13.08	12.68
22	....	12.64	12.87	....	14.22	13.57	....	15.35	14.83	....	13.12	12.94
23	13.16	12.64	12.88	....	14.08	13.56	....	15.43	....	14.09	Holiday	....
24	13.15	12.76	Holiday	13.86	13.90	....	14.16	15.54	....	14.00	13.26	....
25	13.23	....	....	13.97	13.83	....	14.34	15.42	14.87	13.95	....	Holiday
26	13.13	....	....	13.99	13.81	13.33	14.47	....	15.10	13.60	....	13.10
27	13.04	12.66	12.77	13.89	....	13.41	14.61	....	14.91	13.33	13.30	12.96
28	....	12.47	12.89	14.05	....	13.49	14.72	15.28	14.95	....	13.12	12.86
29	....	....	12.84	....	Holiday	13.51	....	15.27	15.05	....	12.82	12.79
30	13.05	....	12.77	....	13.85	13.54	....	15.38	....	13.34	13.03	....
31	13.01	....	12.70	....	13.86	....	14.87	15.37	....	13.12	....	....

DOW JONES 30 INDUSTRIALS
(Daily Close)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	851.69	828.39	833.24	....	814.97	803.27	....	895.05	907.74	1,005.70	1,031.09
2	....	852.55	825.82	838.57	....	816.88	796.99	822.11	909.40	....	1,022.08	1,033.11
3	....	845.03	815.16	....	849.03	816.50	....	816.40	925.13	....	1,065.49	1,031.36
4	882.52	847.03	807.55	....	854.45	804.98	....	803.46	....	903.61	1,050.22	....
5	865.30	851.03	807.36	835.33	854.45	....	Holiday	795.85	....	907.19	1,051.78	....
6	861.02	....	....	839.33	863.20	....	798.90	784.34	Holiday	944.26	....	1,055.65
7	861.78	....	....	836.85	869.20	804.03	799.66	.....	914.28	965.97	....	1,056.94
8	866.53	833.43	795.47	842.94	....	802.23	804.98	....	915.75	986.85	1,037.44	1,047.09
9	....	830.57	803.84	Holiday	....	795.57	814.12	780.35	912.53	....	1,060.25	1,027.96
10	....	836.66	804.89	....	860.92	798.71	....	779.30	906.82	....	1,044.52	1,018.76
11	850.46	834.67	805.56	....	865.87	809.74	....	777.21	....	1,012.79	1,054.73	....
12	847.70	833.81	797.37	841.32	865.77	....	824.87	776.92	....	1,003.68	1,039.92	....
13	838.95	....	....	841.04	859.11	....	824.20	788.05	918.69	1,015.08	....	1,024.28
14	842.28	....	....	838.09	857.78	801.85	828.39	....	923.01	996.87	....	1,009.38
15	847.60	Holiday	800.99	839.61	....	801.27	827.34	....	930.46	993.10	1,021.43	992.64
16	....	831.34	798.33	843.42	....	796.90	828.67	792.43	927.80	....	1,008.00	990.25
17	....	827.63	795.85	....	845.32	791.48	....	831.24	916.94	....	1,027.50	1,011.50
18	855.12	828.96	805.27	....	840.85	788.62	....	829.43	....	1,019.22	1,032.10	....
19	847.41	824.30	805.65	846.08	835.90	....	826.10	838.57	....	1,013.80	1,021.25	....
20	845.89	....	....	840.56	832.48	....	833.43	869.29	916.30	1,034.12	....	1,004.51
21	848.27	....	....	843.42	835.90	789.95	832.19	....	934.79	1,036.98	....	1,030.26
22	845.03	811.26	819.54	853.12	....	799.66	832.00	....	927.61	1,031.46	1,000.00	1,035.04
23	....	812.98	826.67	862.16	....	813.17	830.57	891.17	925.77	....	990.99	1,045.07
24	....	826.77	823.34	....	836.38	810.41	....	874.90	919.52	....	1,000.00	Holiday
25	842.75	825.82	827.63	....	834.57	803.08	....	884.89	....	995.13	Holiday	....
26	841.51	824.39	817.92	865.58	828.77	....	825.44	892.41	....	1,006.07	1,007.36	....
27	842.66	....	....	857.50	824.96	....	822.77	883.47	920.90	1,006.35	....	1,070.55
28	864.25	....	....	852.64	819.54	811.93	811.83	....	919.33	990.99	....	1,058.87
29	871.10	....	823.82	844.94	....	812.21	812.21	....	906.27	991.72	1,002.85	1,059.60
30	....	....	824.49	848.36	....	811.93	808.60	893.30	896.25	....	1,039.28	1,047.37
31	....	....	822.77	....	Holiday	....	....	901.31	....	....	....	1,046.54

DOW JONES 30 INDUSTRIALS
(DAILY CLOSE)
During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	1,014.14	995.59	997.96	967.66	....	882.71	852.26	....	890.22
2	972.78	932.25	977.99	1,009.01	....	987.48	959.19	....	884.23	860.73	866.82	882.61
3	....	941.38	966.02	1,007.11	....	989.71	Holiday	946.25	867.01	....	868.72	883.85
4	....	941.98	971.44	....	979.11	986.74	....	945.97	861.68	....	866.82	892.69
5	992.66	946.76	964.62	....	972.44	993.79	....	953.58	....	859.87	859.12	....
6	1,004.69	952.30	964.62	994.24	973.34	....	949.30	952.91	....	856.26	852.45	....
7	980.89	....	....	992.89	978.39	....	954.15	942.54	Holiday	868.72	....	886.99
8	965.70	....	....	993.43	976.40	995.64	953.48	....	851.12	878.14	....	881.75
9	968.69	947.18	976.42	998.83	....	994.44	959.00	....	853.88	873.00	855.21	888.22
10	....	948.63	972.66	1,000.27	....	993.88	955.67	943.87	862.44	....	853.98	892.03
11	....	942.49	967.67	....	963.44	1,007.42	....	949.30	872.81	....	857.12	886.51
12	968.77	936.60	989.82	....	970.82	1,006.28	....	945.21	....	869.48	860.54	....
13	965.10	931.57	985.77	993.16	967.76	....	954.34	944.35	....	865.58	855.88	....
14	966.47	....	....	989.10	973.07	....	948.25	936.93	866.15	850.65	....	871.48
15	969.97	....	....	1,001.71	985.95	1,011.99	954.15	....	858.35	856.26	....	875.95
16	973.29	Holiday	1,002.79	1,005.58	....	1,003.33	955.48	....	851.60	851.69	845.03	868.72
17	....	939.68	992.53	Holiday	....	1,006.56	958.90	926.75	840.09	....	850.17	870.53
18	....	947.10	994.06	....	985.77	995.15	....	924.37	836.19	....	844.08	875.76
19	970.99	933.36	986.58	....	980.01	996.19	....	926.46	....	847.13	844.75	....
20	950.68	936.09	992.80	1,015.94	976.86	....	940.54	928.37	....	851.88	852.93	....
21	946.25	....	....	1,005.94	976.59	....	934.46	920.57	846.56	851.03	....	873.10
22	940.44	....	....	1,007.02	971.72	994.20	924.66	....	845.70	848.27	....	871.96
23	940.19	945.23	1,004.23	1,010.27	....	1,006.66	928.56	....	840.94	837.99	851.79	869.67
24	....	946.10	996.13	1,020.35	....	999.33	936.74	900.11	835.14	....	870.24	873.38
25	....	954.40	1,015.22	....	Holiday	996.77	....	901.83	824.01	....	876.14	Holiday
26	938.91	966.81	1,005.76	....	983.96	992.87	....	899.26	....	830.96	Holiday	....
27	949.49	974.58	994.78	1,024.05	993.14	....	945.87	889.08	....	838.38	885.94	....
28	942.58	....	....	1,016.93	994.25	....	939.40	892.22	842.56	837.61	....	870.34
29	948.89	....	....	1,004.32	991.75	984.59	937.40	....	847.89	832.95	....	868.25
30	947.27	....	992.16	997.75	....	976.88	945.11	....	849.98	852.55	888.98	873.10
31	....	....	1,003.87	....	....	....	952.34	881.47	....	....	....	875.00

DOW JONES 30 INDUSTRIALS
(DAILY CLOSE)
DURING 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	881.48	....	784.47	808.79	....	872.27	931.48	Holiday	939.42	....	969.45
2	824.57	....	....	787.80	810.92	847.35	876.02	....	940.78	942.24	....	974.40
3	820.31	....	854.35	784.13	....	843.77	888.91	....	953.16	950.68	937.20	972.27
4	828.84	875.09	856.48	Holiday	....	858.02	Holiday	931.06	948.81	....	Holiday	970.48
5	....	876.62	844.88	....	816.30	858.70	....	929.78	940.96	....	953.16	956.23
6	....	881.83	828.07	....	816.04	861.52	....	938.23	....	965.70	935.41	....
7	832.00	885.49	820.56	768.34	821.25	....	898.21	950.94	....	960.67	932.42	....
8	851.71	895.73	....	775.00	815.19	....	897.35	954.69	928.58	963.99	....	933.70
9	850.09	....	....	785.92	805.80	860.67	897.27	....	934.73	958.96	....	934.04
10	858.96	....	818.94	791.47	....	863.99	885.92	....	938.48	950.68	933.79	916.21
11	858.53	889.59	826.45	791.55	....	872.70	897.13	964.08	941.30	....	944.03	908.45
12	....	898.98	819.54	....	805.20	872.61	....	952.39	936.52	....	964.93	917.15
13	....	903.84	809.56	....	816.89	876.37	....	949.23	....	959.90	982.42	....
14	863.57	893.77	811.69	784.90	819.62	....	905.55	962.63	....	962.20	986.35	....
15	868.60	884.98	....	783.36	822.53	....	901.54	966.72	937.63	972.44	....	911.60
16	865.19	....	....	771.25	826.88	877.73	904.44	....	945.90	958.70	....	918.09
17	863.57	....	788.65	768.86	....	879.27	915.10	....	961.26	956.14	986.26	928.50
18	867.15	Holiday	801.62	763.40	....	881.91	923.98	948.63	956.48	....	997.95	930.20
19	....	876.02	800.94	....	830.89	870.90	....	939.85	963.74	....	991.04	937.20
20	....	886.86	789.08	....	832.51	869.71	....	945.31	....	960.84	1,000.17	....
21	872.78	868.52	785.15	759.13	831.06	....	928.67	955.03	....	954.44	989.93	....
22	866.21	868.77	....	789.85	842.92	....	927.30	958.19	974.57	955.12	....	958.70
23	877.56	....	....	789.25	854.10	873.81	928.58	....	962.03	939.51	....	958.28
24	879.95	....	765.44	797.10	....	877.30	926.11	....	964.76	943.60	978.75	963.05
25	876.11	859.81	767.83	803.58	....	887.54	918.09	956.23	955.97	....	982.68	Holiday
26	....	864.25	761.12	....	Holiday	883.45	....	953.41	940.10	....	989.68	966.38
27	....	855.12	759.98	....	857.76	881.83	....	943.09	....	931.74	Holiday	....
28	878.50	854.44	777.65	805.46	860.32	....	925.43	930.38	....	932.59	993.34	....
29	874.40	863.14	....	811.09	846.25	....	931.91	932.59	921.93	929.18	....	960.58
30	881.91	....	....	817.06	850.85	867.92	936.18	....	932.42	917.75	....	962.03
31	875.85	....	785.75	....	....	....	935.32	....	....	924.49	....	963.99

DOW JONES 30 INDUSTRIALS
(Daily Close)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	840.87	815.84	....	855.51	821.21	....	850.34	....	872.95	820.14	....
2	811.42	834.63	815.75	855.25	855.51	....	834.04	847.95	....	885.32	818.94	....
3	817.39	....	....	868.33	857.59	....	835.58	846.16	Holiday	885.15	....	819.62
4	826.14	....	....	869.80	847.54	821.90	Holiday	....	872.61	890.10	....	824.91
5	830.73	823.98	827.36	877.60	....	831.34	835.75	....	866.13	897.61	812.63	828.41
6	....	822.85	826.58	875.69	....	835.50	846.16	848.55	867.32	....	806.48	835.07
7	....	816.01	834.29	....	833.42	836.97	....	859.81	874.15	....	796.67	833.19
8	828.14	818.87	844.85	....	834.89	835.15	....	863.14	....	884.04	797.61	....
9	831.43	822.33	842.86	873.70	838.62	....	852.99	858.28	....	857.59	806.48	....
10	824.93	....	....	878.72	828.92	....	850.34	867.06	876.88	849.32	....	833.87
11	828.05	....	....	871.71	830.56	837.58	843.86	....	869.71	844.62	....	833.70
12	836.28	824.84	844.68	870.50	....	845.29	836.86	....	870.90	838.99	821.93	835.67
13	....	830.21	846.93	Holiday	....	842.17	833.53	875.26	870.73	....	814.08	836.09
14	....	829.78	845.37	....	825.02	842.34	....	876.71	879.10	....	816.55	842.75
15	848.67	829.09	847.02	....	825.88	843.30	....	885.84	....	831.06	821.33	....
16	835.59	827.01	852.82	860.45	828.48	....	834.90	884.04	....	829.52	815.70	....
17	834.20	....	....	857.93	842.95	....	828.50	883.36	881.31	830.72	....	844.62
18	839.14	....	....	860.27	841.91	839.40	828.58	....	874.25	830.12	....	838.65
19	837.49	Holiday	857.59	855.25	....	839.40	827.30	....	876.45	814.68	815.27	838.91
20	....	834.55	850.31	856.98	....	839.83	828.07	886.52	893.69	....	809.22	843.34
21	....	834.55	857.76	....	842.43	843.64	....	886.01	893.94	....	807.42	838.91
22	838.53	828.57	861.31	....	845.37	849.10	....	885.84	....	809.13	Holiday	....
23	846.85	823.28	859.75	860.10	837.40	....	825.51	880.38	....	806.83	811.77	....
24	846.41	....	....	866.86	837.66	....	829.78	880.20	885.84	808.36	....	839.16
25	854.63	....	....	867.46	836.28	844.25	839.51	....	886.18	808.46	....	Holiday
26	859.75	821.12	854.82	860.97	....	837.66	839.76	....	886.35	809.30	828.75	838.14
27	....	807.00	871.36	856.64	....	840.52	839.76	885.41	887.46	....	825.85	840.10
28	....	808.82	866.25	....	Holiday	843.04	....	884.64	878.58	....	830.46	838.91
29	855.77	....	866.77	....	832.55	841.98	....	884.90	....	808.62	831.74	....
30	851.78	....	862.18	854.90	822.16	....	838.74	883.70	....	823.81	822.35	....
31	839.22	....	....	....	822.33	....	846.42	887.63	....	815.70	....	838.74

DOW JONES 30 INDUSTRIALS
(Daily Close)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	774.34	743.33	....	844.33	840.70	....	860.71	879.33	....	827.79	811.50
2	....	775.38	746.45	....	840.18	847.54	....	883.49	....	871.36	816.96	....
3	817.74	770.96	747.31	751.04	828.83	....	812.89	886.87	....	867.90	823.11	....
4	813.58	....	....	755.37	824.41	....	Holiday	888.43	Holiday	873.96	....	806.83
5	804.92	....	....	763.08	829.09	863.83	805.79	....	886.61	876.47	....	820.51
6	793.48	768.62	742.72	763.95	....	866.51	807.17	....	895.79	880.02	814.88	821.90
7	....	778.85	746.79	769.58	....	861.92	812.46	885.05	893.71	....	800.07	816.09
8	....	782.66	750.87	....	824.58	862.09	....	889.21	907.74	....	807.61	811.85
9	784.56	777.81	750.00	....	822.07	859.23	....	891.63	....	893.19	803.97	....
10	781.53	775.99	758.58	773.65	822.16	....	816.79	885.48	....	891.63	807.09	....
11	775.90	....	....	770.18	834.20	....	821.29	890.85	907.74	901.42	....	817.65
12	778.15	....	....	766.29	840.70	856.72	824.93	....	906.44	896.74	....	814.97
13	775.73	774.43	759.96	775.21	....	856.98	824.76	....	899.60	897.09	792.01	809.86
14	....	765.16	762.56	795.13	....	854.56	839.83	888.17	887.04	....	785.26	812.54
15	....	761.69	758.58	....	846.76	844.25	....	987.13	878.55	....	785.60	805.35
16	771.74	753.29	762.82	....	854.30	836.97	....	894.58	....	875.17	794.18	....
17	779.02	752.69	768.71	810.12	858.37	....	839.05	900.12	....	866.34	797.73	....
18	786.30	....	....	803.27	850.92	....	829.00	896.83	870.15	859.67	....	787.51
19	778.67	....	....	808.04	846.85	838.62	840.70	....	861.57	846.41	....	789.85
20	776.94	Holiday	773.82	814.54	....	830.04	838.62	....	857.16	838.01	805.61	793.66
21	....	749.31	762.82	812.80	....	824.93	833.42	888.95	861.14	....	804.05	794.79
22	....	749.05	757.54	....	855.42	827.70	....	892.41	862.44	....	807.00	808.47
23	770.70	750.95	756.50	....	845.29	823.02	....	897.00	....	839.66	Holiday	....
24	771.57	756.24	Holiday	826.06	837.92	....	831.60	897.35	....	832.55	810.12	....
25	772.44	....	....	833.59	835.41	....	839.57	895.53	862.35	830.21	....	Holiday
26	763.34	....	....	836.97	831.59	812.28	847.19	....	868.16	821.12	....	816.01
27	764.12	748.35	753.21	826.92	....	817.31	850.57	....	860.19	806.05	813.84	808.56
28	....	742.12	758.84	837.32	....	819.91	856.29	884.88	861.31	....	804.14	805.96
29	....	....	761.78	....	Holiday	821.64	....	880.20	865.82	....	790.11	805.01
30	772.44	....	759.62	....	834.20	818.95	....	880.72	....	811.85	799.03	....
31	769.92	....	757.36	....	840.61	....	862.27	876.82	....	792.45	....	....

NEW YORK STOCK EXCHANGE COMPOSITE STOCK INDEX
(DAILY CLOSE)

During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	68.01	65.44	65.49	....	64.37	62.51	....	67.90	70.01	77.92	80.13
2	....	68.17	65.14	66.22	....	64.55	61.99	62.49	68.98	....	79.12	80.12
3	....	67.41	64.14	....	67.26	64.42	....	61.91	70.26	....	82.05	80.05
4	71.20	67.30	63.50	....	67.63	63.42	....	60.97	....	69.77	81.59	....
5	69.72	67.79	63.14	66.04	67.75	....	Holiday	60.44	....	70.06	81.83	....
6	69.18	....	....	66.41	68.31	....	61.78	59.69	Holiday	72.20	....	81.61
7	69.02	....	....	66.49	68.76	63.36	61.70	....	69.56	73.77	....	82.13
8	69.36	66.32	62.03	66.89	....	63.08	61.81	....	70.02	75.00	80.94	81.73
9	....	65.74	62.71	Holiday	....	62.68	62.54	59.25	69.97	....	82.35	80.77
10	....	66.21	63.04	....	68.22	62 97	....	59.13	69.41	....	81.43	80.49
11	67.76	66.11	62.98	....	68.80	63.94	....	58.95	....	76.91	81.76	....
12	67.45	66.09	62.52	66.70	68.69	....	62.96	58.80	....	76.95	80.70	....
13	66.63	....	....	66.76	68.20	....	62.90	59.54	70.03	78.30	....	80.67
14	66.96	....	....	66.67	68.11	63.25	63.36	....	70.57	77.23	....	79.32
15	67.41	Holiday	62.88	66.96	....	63.05	63.38	....	71.19	76.74	79.32	78.09
16	....	65.87	62.84	67.26	....	62.67	63.67	59.75	71.00	....	78.30	78.04
17	....	65.71	62.74	....	67.36	61.96	....	62.41	70.34	....	79.67	79.20
18	67.84	65.78	63.46	....	66.84	61.74	....	62.32	....	78.40	79.98	....
19	67.19	65.43	63.62	67.20	66.32	....	63.54	62.57	....	78.35	79.32	....
20	66.80	....	....	66.55	66.09	....	63.95	64.65	70.25	79.80	....	78.54
21	67.00	....	....	66.71	66.26	61.73	63.90	....	71.49	79.72	....	79.74
22	66.78	64.55	64.86	67.49	....	62.29	63.95	....	71.10	79.68	77.85	79.87
23	....	64.44	65.30	68.25	....	63.26	63.80	66.36	70.98	....	77.12	80.39
24	....	65.45	65.00	....	66.17	63.12	....	66.10	70.75	....	77.60	Holiday
25	66.64	65.41	65.15	....	65.95	62.72	....	67.39	....	76.65	Holiday	....
26	66.49	65.33	64.53	68.59	65.18	....	63.35	68.01	....	77.11	78.14	....
27	66.78	....	....	67.95	64.88	....	62.84	67.23	70.88	77.68	....	81.63
28	68.58	....	....	67.55	64.55	63.29	61.87	....	70.70	76.87	....	80.94
29	69.39	....	64.65	66.95	....	63.28	61.83	....	69.78	76.95	77.73	81.21
30	....	....	64.65	67.08	....	63.02	61.51	67.52	69.18	....	79.95	80.79
31	....	....	64.52	....	Holiday	....	....	68.54	....	....	....	81.03

NEW YORK STOCK EXCHANGE COMPOSITE STOCK INDEX
(DAILY CLOSE)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	78.62	76.75	76.91	75.37	....	71.28	67.50	....	73.18
2	78.26	72.67	75.58	78.57	....	75.89	74.73	....	71.56	68.86	72.05	72.40
3	....	73.48	74.83	78.14	....	75.87	Holiday	75.70	70.25	....	72.38	72.65
4	....	73.64	74.98	....	75.52	76.02	....	76.04	69.55	....	72.38	73.24
5	79.08	74.31	74.51	....	75.30	76.73	....	76.91	....	69.00	71.79	....
6	79.14	74.83	74.46	77.29	75.60	....	73.99	77.00	....	69.03	71.33	....
7	77.29	....	....	77.30	76.08	....	74.39	76.58	Holiday	70.13	....	72.65
8	76.20	....	....	77.55	76.13	76.76	74.50	....	68.24	70.74	....	72.36
9	76.44	74.05	75.09	77.80	....	76.54	75.06	....	68.48	70.33	71.67	72.69
10	....	73.98	74.73	77.78	....	76.78	75.15	76.90	69.49	....	71.42	72.84
11	....	73.47	74.53	....	75.05	77.63	....	77.65	70.32	....	71.54	72.43
12	76.52	73.05	76.27	....	75.60	77.60	....	77.42	....	70.21	71.69	....
13	76.35	72.80	76.32	76.94	75.56	....	75.28	77.53	....	70.07	70.85	....
14	76.55	....	....	76.59	76.02	....	75.26	77.00	69.79	68.97	....	71.24
15	76.99	....	....	77.46	76.54	77.65	75.60	....	69.34	69.39	....	71.35
16	77.33	Holiday	77.19	77.76	....	76.80	75.70	....	68.82	69.13	69.99	71.06
17	....	73.22	76.81	Holiday	....	77.34	75.96	76.28	67.83	....	70.39	71.37
18	....	73.59	76.99	....	76.73	76.40	....	75.55	67.27	....	70.03	71.87
19	77.10	72.51	76.64	....	76.47	76.75	....	75.73	....	69.02	70.36	....
20	75.61	72.45	77.09	78.17	76.53	....	74.84	75.88	....	69.75	71.00	....
21	75.39	....	....	77.46	76.44	....	74.59	75.10	67.71	69.66	....	71.53
22	74.76	....	....	77.41	76.26	76.59	73.90	....	67.43	69.39	....	71.27
23	74.72	72.84	78.01	77.38	....	77.42	74.01	....	66.74	68.83	70.91	70.97
24	....	72.91	77.52	78.05	....	77.00	74.60	72.92	66.42	....	71.85	71.11
25	....	73.46	78.82	....	Holiday	77.11	....	72.58	64.96	....	72.15	Holiday
26	74.45	74.39	78.43	....	77.05	76.97	....	72.49	....	68.58	Holiday	....
27	75.19	75.13	77.59	78.23	77.58	....	75.32	71.67	....	69.20	72.71	....
28	74.78	....	....	77.55	77.44	....	74.94	71.97	66.43	69.34	....	70.94
29	74.69	....	....	76.84	76.99	76.58	74.95	....	66.85	69.09	....	70.58
30	74.27	....	77.36	76.81	....	76.15	75.41	....	67.00	70.64	73.37	70.90
31	....	....	78.27	....	....	....	75.95	71.20	....	....	....	71.11

NEW YORK STOCK EXCHANGE COMPOSITE STOCK INDEX
(DAILY CLOSE)

During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	66.08	....	57.83	59.94	....	65.73	69.44	Holiday	73.37	....	79.16
2	60.69	....	....	58.20	60.05	63.22	66.16	....	71.28	73.96	....	78.91
3	60.34	....	64.35	57.95	....	63.11	67.07	....	72.71	74.74	74.36	78.81
4	61.17	65.69	64.36	Holiday	....	64.24	Holiday	69.20	72.41	....	Holiday	78.60
5	....	65.83	63.38	....	60.50	64.38	....	69.16	72.13	....	75.64	77.16
6	....	66.39	61.94	....	60.49	64.67	....	69.63	....	76.04	74.29	....
7	61.40	66.69	60.96	56.83	61.02	....	67.58	70.60	....	75.65	74.35	....
8	62.59	67.57	....	57.38	60.52	....	67.37	70.81	71.27	76.02	....	75.12
9	62.72	....	....	58.41	59.79	64.94	67.46	....	71.64	75.72	....	75.04
10	63.25	....	60.59	59.05	....	65.43	66.95	....	72.12	75.34	74.61	73.78
11	63.15	67.11	61.33	59.00	....	66.17	67.44	71.45	72.64	....	75.56	73.11
12	....	67.51	60.86	....	59.78	65.92	....	70.92	72.65	....	77.44	74.16
13	....	67.77	60.20	....	60.54	66.13	....	70.68	....	76.28	78.58	....
14	63.58	66.82	60.07	58.42	60.90	....	68.68	71.81	....	76.32	78.96	....
15	63.95	66.14	....	58.30	61.04	....	68.35	72.07	72.75	77.24	....	74.31
16	63.95	....	....	57.71	61.23	66.26	68.54	....	73.41	76.37	....	74.87
17	63.80	....	58.22	57.45	....	66.25	69.53	....	74.57	75.92	79.32	76.13
18	63.94	Holiday	59.09	57.21	....	66.36	69.84	70.75	74.36	....	80.48	76.40
19	....	65.62	59.31	....	61.39	65.53	....	70.32	74.81	....	80.17	76.86
20	....	66.61	58.66	....	61.35	65.20	....	71.01	....	76.44	80.90	....
21	64.51	66.03	58.24	56.73	61.42	....	70.10	72.07	....	75.98	80.17	....
22	64.13	65.80	....	58.74	62.19	....	69.94	72.47	75.43	76.06	....	77.94
23	65.13	....	....	58.95	63.05	65.46	69.76	....	74.85	74.69	....	77.64
24	65.32	....	56.47	59.38	....	65.84	69.68	....	75.34	74.90	79.67	77.95
25	65.27	64.79	56.24	59.73	....	66.72	69.10	72.03	74.45	....	80.32	Holiday
26	....	65.14	55.98	....	Holiday	66.44	....	71.86	72.99	....	80.78	78.28
27	....	64.30	55.30	....	63.50	66.34	....	71.15	....	73.82	Holiday	....
28	65.96	64.27	56.82	60.01	63.88	....	69.43	70.35	....	73.84	81.02	....
29	65.49	64.95	....	60.17	62.97	....	69.99	70.53	71.26	73.80	....	77.44
30	66.14	....	....	60.36	63.44	65.34	69.95	....	72.38	72.85	....	77.58
31	65.61	....	57.65	....	....	....	69.64	....	....	73.53	....	77.86

NEW YORK STOCK EXCHANGE COMPOSITE STOCK INDEX
(DAILY CLOSE)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	56.00	54.30	....	57.34	56.03	....	59.36	....	61.84	58.17	....
2	53.93	55.79	54.37	56.73	57.36	....	57.86	59.35	....	62.36	58.19	....
3	54.57	....	....	57.55	57.38	....	57.94	59.33	Holiday	62.44	....	60.54
4	55.05	....	....	57.71	56.76	56.13	Holiday	....	61.35	62.77	....	61.06
5	55.41	55.01	54.96	58.06	....	56.81	58.16	....	60.66	63.39	57.81	61.35
6	....	54.99	54.88	58.04	....	57.23	58.82	59.45	60.94	....	57.48	61.80
7	....	54.47	55.22	....	55.75	57.53	....	60.18	61.39	....	56.75	61.56
8	55.24	54.74	55.81	....	55.79	57.42	....	60.36	....	62.58	57.02	....
9	55.53	54.87	55.81	57.88	55.96	....	59.32	60.14	....	60.53	57.74	....
10	55.23	....	....	58.18	55.45	....	59.16	60.64	61.69	59.53	....	61.66
11	55.42	....	....	57.65	55.48	57.62	58.86	....	61.29	59.51	....	61.55
12	55.91	55.04	55.87	57.53	....	58.18	58.38	....	61.48	59.29	58.82	61.58
13	....	55.46	55.99	Holiday	....	57.95	58.17	61.18	61.53	....	58.59	61.68
14	....	55.42	55.95	....	55.22	57.87	....	61.26	62.08	....	58.85	62.35
15	56.31	55.38	56.08	....	55.26	57.85	....	61.68	....	58.60	59.27	....
16	55.66	55.37	56.55	57.05	55.38	....	58.43	61.56	....	58.50	59.11	....
17	55.64	....	....	57.05	56.23	....	57.88	61.70	62.08	58.65	....	62.61
18	55.81	....	....	57.33	56.26	57.56	57.76	....	61.62	58.80	....	62.06
19	55.85	Holiday	56.74	57.09	....	57.58	57.76	....	61.76	57.62	59.36	62.00
20	....	55.74	56.45	57.09	....	57.65	57.89	62.02	62.85	....	59.09	62.08
21	....	55.58	56.83	....	56.41	57.91	....	62.07	62.88	....	59.18	61.73
22	55.92	55.20	57.09	....	56.65	58.21	....	62.13	....	56.90	Holiday	....
23	56.27	54.88	57.08	57.29	56.38	....	57.77	61.96	....	56.70	59.66	....
24	56.07	....	....	57.61	56.43	....	57.98	61.94	62.37	56.83	....	61.74
25	56.62	....	....	57.80	56.61	57.90	58.62	....	62.40	56.61	....	Holiday
26	56.99	54.78	56.76	57.52	....	57.67	58.66	....	62.57	56.96	60.91	61.82
27	....	53.88	57.53	57.40	....	58.01	58.73	62.22	62.68	....	60.77	61.91
28	....	53.93	57.35	....	Holiday	58.33	....	62.16	62.24	....	61.00	61.88
29	56.85	....	57.34	....	56.53	58.38	....	62.18	....	57.05	61.03	....
30	56.60	....	57.13	57.36	56.01	....	58.79	62.20	....	58.11	60.71	....
31	55.99	....	....	....	55.99	....	59.14	62.40	....	57.71	....	61.95

NEW YORK STOCK EXCHANGE COMPOSITE STOCK INDEX
(DAILY CLOSE)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	49.79	48.49	....	54.36	54.59	....	56.61	58.54	....	53.79	53.77
2	Holiday	49.92	48.60	....	54.18	55.03	....	57.82	....	57.98	53.20	....
3	51.82	49.72	48.67	49.44	53.72	....	53.46	58.12	....	57.80	53.49	....
4	51.63	....	....	49.66	53.60	....	Holiday	58.34	Holiday	58.03	....	53.73
5	51.25	....	....	50.09	53.97	55.97	53.00	....	58.91	58.19	....	54.44
6	50.64	49.64	48.37	50.19	....	56.19	53.00	....	59.44	58.34	53.03	54.51
7	....	50.08	48.62	50.41	....	56.11	53.34	58.20	59.50	....	52.22	54.30
8	....	50.35	48.87	....	53.82	56.20	....	58.47	60.24	....	52.49	54.06
9	50.05	50.11	48.94	....	53.68	56.08	....	58.75	....	58.90	52.52	....
10	49.77	50.01	49.48	50.58	53.72	....	53.55	58.34	....	58.84	52.72	....
11	49.52	....	....	50.47	54.38	....	53.90	58.53	60.38	59.29	....	54.31
12	49.60	....	....	50.43	54.85	55.89	54.09	....	60.38	59.06	....	54.03
13	49.57	49.90	49.54	50.91	....	55.91	54.12	....	60.06	58.93	51.83	53.72
14	....	49.47	49.75	51.94	....	55.88	54.82	58.56	59.37	....	51.36	53.70
15	....	49.34	49.65	....	55.18	55.31	....	58.48	58.81	....	51.52	53.31
16	49.40	48.94	49.88	....	55.53	54.80	....	58.93	....	57.80	52.09	....
17	49.67	48.90	50.25	52.69	55.68	....	54.92	59.21	....	56.89	52.54	....
18	50.04	....	....	52.16	55.20	....	54.45	59.06	58.24	56.40	....	52.20
19	49.82	....	....	52.35	54.95	54.76	55.10	....	57.84	55.71	....	52.58
20	49.73	Holiday	50.57	52.73	....	54.22	55.07	....	57.32	54.76	53.04	52.83
21	....	48.69	50.05	52.65	....	53.91	54.91	58.56	57.36	....	52.96	52.89
22	....	48.69	49.89	....	55.43	54.07	....	58.76	57.37	....	53.24	53.77
23	49.38	48.73	49.86	....	54.90	53.90	....	59.12	....	54.79	Holiday	....
24	49.40	49.19	Holiday	53.36	54.36	....	54.88	59.26	....	54.46	53.44	....
25	49.47	....	....	53.81	54.24	...	55.27	59.22	57.38	54.34	....	Holiday
26	49.07	....	....	53.88	54.14	53.19	55.61	....	57.81	53.48	....	54.36
27	49.06	48.81	49.63	53.40	....	53.35	55.90	....	57.31	52.52	53.56	53.90
28	....	48.43	49.96	53.90	....	53.58	56.18	58.70	57.47	....	53.13	53.68
29	....	....	50.07	....	Holiday	53.69	....	58.38	57.78	....	52.38	53.62
30	49.45	....	49.95	....	54.30	53.66	....	58.48	....	52.65	52.89	....
31	49.41	....	49.85	....	54.52	....	56.59	58.35	....	51.67	....	....

VALUE LINE COMPOSITE STOCK INDEX
(DAILY CLOSE)
DURING 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	131.87	127.41	126.79	....	123.91	119.76	....	129.00	132.90	149.79	159.00
2	....	132.26	127.32	126.77	....	124.14	119.19	119.13	130.78	....	152.57	158.88
3	....	131.71	125.55	....	130.47	123.71	....	118.51	132.39	....	157.08	158.73
4	138.39	131.34	124.09	....	131.13	122.16	....	117.20	....	132.37	157.19	....
5	136.46	132.43	123.03	127.82	131.10	....	HOLIDAY	116.19	....	132.98	158.13	....
6	135.53	....	....	128.23	132.06	....	118.62	115.02	HOLIDAY	135.81	....	160.29
7	135.38	....	....	128.51	132.83	121.60	118.43	....	131.54	138.44	....	161.37
8	136.03	129.87	120.99	129.14	....	120.88	118.13	....	132.39	140.23	157.26	161.36
9	....	128.59	121.09	HOLIDAY	....	119.74	119.59	113.38	132.73	....	160.02	159.76
10	....	129.04	121.83	....	131.97	120.06	....	113.18	131.87	....	159.24	158.52
11	133.15	128.79	121.43	....	132.75	122.08	....	112.62	....	143.28	159.79	....
12	132.17	128.88	120.35	128.97	132.61	....	120.65	112.32	....	143.58	159.38	....
13	130.71	....	....	129.16	132.11	....	120.61	112.99	132.17	146.54	....	158.32
14	131.07	....	....	128.84	132.14	120.76	120.52	....	133.34	145.70	....	156.50
15	131.80	HOLIDAY	120.32	129.27	....	120.28	120.51	....	134.24	145.33	157.05	153.73
16	....	128.09	120.53	129.94	....	119.99	120.86	113.83	134.50	....	154.64	153.27
17	....	128.12	120.59	....	130.84	118.76	....	117.26	133.57	....	156.79	155.19
18	132.00	128.10	121.90	....	129.82	118.00	....	118.54	....	147.45	157.05	....
19	131.23	127.50	122.55	130.08	129.03	....	120.87	118.56	....	147.82	157.15	....
20	130.74	....	....	129.38	128.08	....	121.56	121.32	133.06	150.14	....	154.26
21	130.86	....	....	129.79	128.13	118.04	121.89	....	134.80	150.61	....	155.29
22	130.38	126.46	124.72	130.75	....	118.74	122.23	....	134.70	151.71	154.78	156.17
23	....	125.78	125.51	131.81	....	120.35	122.19	123.93	134.26	....	153.71	157.17
24	....	126.80	125.36	....	127.67	120.45	....	124.56	134.13	....	154.34	HOLIDAY
25	129.11	127.33	125.91	....	127.25	119.76	....	127.06	....	147.11	HOLIDAY	....
26	128.94	127.06	125.15	132.42	125.61	....	121.36	128.76	....	146.77	155.36	....
27	129.19	....	....	131.47	124.83	....	120.64	127.77	134.06	148.73	....	158.50
28	132.12	....	....	130.98	124.88	120.35	118.79	....	133.98	148.06	....	157.87
29	133.68	....	125.22	130.31	....	120.31	118.27	....	132.59	148.42	154.84	158.24
30	....	....	125.28	130.44	....	120.57	118.04	128.01	131.95	....	157.82	157.93
31	....	....	125.31	....	HOLIDAY	....	....	129.66	....	....	....	158.94

VALUE LINE COMPOSITE STOCK INDEX
(Daily Close)
During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	....	....	154.93	154.64	157.17	153.76	....	139.81	130.40	....	141.51
2	145.62	139.95	144.69	155.28	....	155.59	152.60	....	140.36	132.79	139.61	140.61
3	....	140.79	144.19	155.12	....	155.43	HOLIDAY	150.32	138.15	....	140.35	140.73
4	....	141.64	144.62	....	151.99	155.65	....	150.36	136.86	....	140.41	141.61
5	147.53	143.08	144.75	....	150.94	156.25	....	151.42	....	133.72	140.01	....
6	148.32	143.98	145.02	153.71	151.41	....	150.66	151.86	....	133.68	139.53	....
7	143.86	....	....	153.91	152.16	....	150.40	151.50	HOLIDAY	135.66	....	140.62
8	142.78	....	....	154.45	152.67	156.26	150.21	....	133.58	137.11	....	139.56
9	143.71	143.34	145.70	155.35	....	155.75	150.97	....	133.84	137.26	139.63	139.75
10	....	143.14	145.32	155.91	....	156.23	151.41	151.18	135.76	....	139.49	139.98
11	....	142.59	145.05	....	151.13	157.87	....	151.97	137.33	....	139.62	139.59
12	144.26	141.88	147.29	....	151.62	158.51	....	152.11	....	137.39	140.10	....
13	143.76	141.52	147.99	154.81	152.02	....	151.37	152.21	....	137.39	139.13	....
14	144.38	....	....	154.21	152.92	....	150.61	151.63	136.76	135.71	....	137.53
15	144.76	....	....	155.60	153.94	159.03	151.40	....	136.36	135.98	....	137.79
16	145.41	HOLIDAY	149.49	156.55	....	157.73	151.74	....	135.29	135.71	137.10	137.55
17	....	141.51	149.40	HOLIDAY	....	158.01	152.19	150.17	133.51	....	137.40	137.77
18	....	141.85	150.18	....	154.17	156.69	....	148.72	132.30	....	137.28	138.64
19	145.44	140.22	150.57	....	153.70	156.93	....	148.94	....	135.46	137.34	....
20	143.61	139.96	151.91	157.13	154.19	....	150.09	149.20	....	136.43	138.23	....
21	143.16	....	....	156.39	154.22	....	149.19	148.25	132.60	136.50	....	137.90
22	142.33	....	....	156.53	154.37	156.73	148.35	....	132.27	135.89	....	137.65
23	142.42	140.42	152.79	156.97	....	157.80	148.09	....	130.18	135.06	138.11	137.35
24	...	140.92	152.28	157.92	....	157.24	149.11	144.23	129.75	....	139.14	137.71
25	....	141.16	153.80	....	HOLIDAY	157.23	....	142.50	125.66	....	139.96	HOLIDAY
26	141.56	142.83	153.61	....	155.14	157.00	....	142.37	....	134.36	HOLIDAY	...
27	142.47	144.04	152.72	158.02	156.33	....	149.87	141.18	....	135.40	140.94	....
28	142.42	....	....	156.39	156.99	....	149.32	141.67	126.95	135.86	....	137.11
29	142.83	....	....	154.95	156.96	155.99	149.31	....	129.33	135.36	....	136.44
30	142.71	....	152.46	155.04	....	154.99	149.94	....	129.76	137.42	141.72	136.92
31	....	....	154.13	....	....	....	151.03	140.25	....	....	....	137.81

VALUE LINE COMPOSITE STOCK INDEX
(Daily Close)
During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	129.64	....	107.05	111.64	....	124.23	134.94	HOLIDAY	142.12	....	146.68
2	120.09	....	....	108.20	111.93	119.73	125.08	....	140.00	142.97	....	145.90
3	118.81	....	123.81	108.17	....	119.57	126.57	....	142.43	144.66	143.46	146.37
4	120.73	129.34	122.89	HOLIDAY	....	120.87	HOLIDAY	134.53	142.42	....	HOLIDAY	146.75
5	....	129.55	121.01	....	112.61	121.20	....	134.88	142.47	....	145.20	144.96
6	....	129.95	118.22	....	113.08	121.75	....	135.71	....	146.66	143.01	....
7	121.44	130.31	116.58	106.34	114.36	....	127.72	137.37	....	146.34	142.47	....
8	123.22	130.99	....	107.08	114.27	....	127.73	137.90	141.42	146.87	....	141.15
9	123.94	....	....	108.41	113.58	121.97	128.15	....	141.85	146.76	....	140.24
10	125.22	....	114.83	109.83	....	122.46	127.75	....	143.10	146.45	142.57	138.37
11	125.80	130.35	116.03	110.22	....	123.19	128.52	138.70	144.28	....	143.85	135.79
12	....	130.66	115.55	....	113.63	123.04	....	137.96	144.73	....	146.12	137.39
13	....	130.86	114.90	....	114.73	123.85	....	138.06	....	147.50	147.72	....
14	126.48	129.62	114.41	109.19	115.83	....	130.37	139.71	....	147.81	148.25	....
15	126.81	128.70	....	108.81	116.40	....	130.34	140.15	144.98	148.65	....	137.47
16	127.02	....	....	108.07	116.77	123.98	130.90	....	146.21	147.43	....	137.47
17	126.96	....	110.86	107.46	....	124.23	132.38	....	147.79	146.92	148.05	138.62
18	127.09	HOLIDAY	111.14	107.41	....	124.14	133.15	137.92	147.58	....	149.23	139.86
19	....	127.63	111.96	....	116.80	123.15	....	137.02	148.54	....	149.03	141.20
20	....	128.39	111.29	....	116.73	122.94	....	138.02	....	147.16	149.76	....
21	127.86	127.36	110.68	106.20	116.77	....	133.52	140.23	....	146.52	148.81	....
22	126.98	126.30	....	109.14	117.99	....	133.49	141.12	148.89	146.87	....	142.94
23	128.23	....	....	109.93	119.31	123.36	133.30	....	147.43	145.09	....	142.92
24	128.70	....	107.19	110.93	....	123.93	133.29	....	147.24	145.35	147.55	143.73
25	128.65	124.65	105.76	110.80	....	125.11	132.59	140.58	146.04	....	148.42	HOLIDAY
26	....	124.66	105.50	....	HOLIDAY	124.88	....	140.62	143.06	....	148.77	144.28
27	....	123.82	100.60	....	120.08	124.91	....	139.81	....	145.85	HOLIDAY	....
28	129.32	123.71	104.64	111.26	120.34	....	132.83	138.47	....	143.45	148.97	....
29	128.70	124.50	....	111.72	119.30	....	133.97	138.79	139.42	143.44	....	143.04
30	129.61	....	....	112.02	119.86	123.71	134.87	....	141.30	141.96	....	142.99
31	129.17	....	106.18	....	....	....	134.50	....	....	142.70	....	144.20

VALUE LINE COMPOSITE STOCK INDEX
(Daily Close)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	105.36	102.31	.....	110.86	109.49	.....	117.20	.....	122.54	111.14	.....
2	98.88	105.33	102.62	108.67	110.88	.....	112.90	117.54	.....	123.22	111.49	.....
3	100.64	.....	.....	110.08	110.86	.....	113.26	117.61	HOLIDAY	123.63	.....	117.18
4	102.00	.....	.....	110.48	109.98	109.49	HOLIDAY	.....	122.63	124.27	.....	117.86
5	103.19	103.91	103.54	111.00	.....	110.61	113.75	.....	120.58	125.25	110.72	118.48
6	.....	103.83	103.43	111.05	.....	111.18	114.83	117.68	121.31	.....	110.28	119.40
7	.....	102.64	104.23	.....	107.64	111.84	.....	118.77	122.15	.....	108.88	119.58
8	102.94	103.16	105.28	.....	107.19	112.00	.....	119.33	.....	123.49	109.41	.....
9	103.67	103.54	105.40	110.88	107.73	.....	115.48	119.35	.....	118.35	110.73	.....
10	103.36	.....	.....	111.44	106.95	.....	115.17	120.22	122.54	144.31	.....	119.90
11	103.67	.....	.....	110.76	107.10	112.11	114.90	.....	121.72	114.96	.....	119.74
12	104.73	103.59	105.52	110.80	.....	113.22	114.44	.....	122.28	115.16	112.05	120.03
13	.....	104.45	105.94	HOLIDAY	.....	113.18	114.12	121.13	122.58	.....	111.97	120.29
14	.....	104.40	105.97	.....	106.70	113.04	.....	121.47	123.59	.....	112.41	121.21
15	105.26	104.38	106.37	.....	106.77	113.27	.....	122.28	.....	113.25	113.19	.....
16	104.35	104.55	107.15	109.76	106.84	.....	114.61	122.12	.....	113.07	112.91	.....
17	104.13	.....	.....	109.67	108.16	.....	113.49	122.28	123.40	113.55	.....	121.64
18	104.92	.....	.....	110.46	108.45	112.86	112.97	.....	122.46	113.71	.....	120.92
19	105.19	HOLIDAY	107.58	110.29	.....	112.92	113.29	.....	122.63	111.19	113.27	120.73
20	.....	104.95	107.15	110.38	.....	113.17	113.60	122.67	123.51	.....	112.85	121.18
21	.....	104.88	107.76	.....	108.94	113.67	.....	122.86	123.90	.....	112.80	120.88
22	105.03	104.46	108.31	.....	109.42	114.14	.....	123.24	.....	108.58	HOLIDAY	.....
23	105.76	103.90	108.69	110.61	109.36	.....	113.34	123.12	.....	108.10	113.65	.....
24	105.48	.....	.....	111.13	109.70	.....	113.72	123.06	123.09	108.49	.....	121.06
25	106.20	.....	.....	111.42	110.33	113.46	114.80	.....	122.94	108.32	.....	HOLIDAY
26	106.80	103.69	108.28	111.08	.....	113.01	115.20	.....	123.49	109.05	116.00	121.37
27	.....	101.71	109.28	110.93	.....	113.51	115.59	123.49	123.74	.....	116.63	121.47
28	.....	101.63	109.19	.....	HOLIDAY	114.07	.....	123.44	123.19	.....	117.37	121.66
29	106.72	.....	109.46	.....	110.21	114.02	.....	123.63	.....	109.09	117.85	.....
30	106.48	.....	109.46	110.71	109.18	.....	115.79	123.84	.....	110.58	117.56	.....
31	105.52	.....	.....	.....	109.29	.....	116.52	124.45	.....	110.43	.....	121.91

VALUE LINE COMPOSITE STOCK INDEX
(DAILY CLOSE)
DURING 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	90.58	90.04	....	102.26	105.62	....	109.96	116.31	....	98.69	99.21
2	HOLIDAY	91.02	90.33	....	102.20	105.24	....	111.61	....	114.61	98.37	....
3	93.11	91.13	90.57	94.24	101.96	....	103.99	111.94	....	114.36	98.87	....
4	92.68	....	....	94.59	102.15	....	HOLIDAY	112.32	HOLIDAY	114.50	....	99.31
5	92.29	....	....	95.33	103.01	107.40	103.04	....	116.57	115.02	....	100.40
6	90.07	91.04	90.14	95.70	....	107.91	102.79	....	117.56	115.35	98.44	100.69
7	....	91.58	90.51	96.24	....	108.06	103.44	112.61	118.00	....	96.37	100.47
8	....	92.08	91.05	....	102.85	108.58	....	113.07	119.21	....	96.43	100.21
9	89.63	92.04	91.41	....	102.76	108.72	....	113.85	....	116.11	96.68	....
10	89.05	92.07	92.38	96.35	103.14	....	103.63	113.63	....	116.09	97.39	....
11	88.68	....	....	96.34	104.12	....	104.18	114.16	119.67	116.46	....	100.40
12	88.97	....	....	96.58	105.15	108.56	104.65	....	119.77	116.37	....	99.87
13	89.19	91.90	92.41	97.55	....	108.56	104.75	....	119.52	116.06	95.67	99.29
14	....	91.28	92.69	99.00	....	108.77	105.72	114.43	118.49	....	93.89	99.12
15	....	90.99	92.82	....	105.46	107.93	....	114.26	117.36	....	94.32	98.37
16	88.67	90.40	93.37	....	106.18	107.11	....	115.14	....	114.05	95.03	....
17	89.29	90.44	94.10	99.67	106.62	....	106.10	115.88	....	111.18	96.24	....
18	90.10	....	....	98.87	106.25	....	105.54	116.06	115.92	109.63	....	95.76
19	90.13	....	....	99.20	106.08	106.56	106.42	....	114.90	108.00	....	96.12
20	90.15	HOLIDAY	94.65	99.95	....	105.73	106.78	....	113.54	104.80	97.24	96.61
21	....	90.09	94.13	100.11	....	104.63	106.51	115.08	113.34	....	97.37	96.92
22	....	90.20	93.96	....	106.72	104.91	....	115.27	113.63	....	98.05	98.43
23	89.71	90.33	94.17	....	106.03	104.95	....	116.08	....	103.70	HOLIDAY	....
24	89.75	91.07	HOLIDAY	100.92	104.88	....	106.32	116.70	....	103.46	98.64	....
25	90.04	....	....	101.42	104.87	....	106.80	116.91	113.53	103.32	....	HOLIDAY
26	89.56	....	....	101.51	104.83	103.51	107.46	....	114.38	100.58	....	98.99
27	89.55	90.65	94.04	100.88	....	103.26	108.19	....	113.58	97.44	98.82	98.27
28	....	90.00	94.59	101.57	....	103.62	108.84	116.21	113.69	....	98.26	97.70
29	....	....	95.12	....	HOLIDAY	104.05	....	115.66	114.38	....	96.94	97.97
30	89.98	....	95.07	....	105.10	104.11	....	116.09	....	95.93	97.60	....
31	89.96	....	94.94	....	105.53	....	109.73	115.92	....	94.49	....	....

AMERICAN STOCK EXCHANGE
MARKET VALUE INDEX (DAILY CLOSE)
During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	287.38	269.91	263.37	....	265.02	249.40	....	278.69	283.12	321.73	337.36
2	....	288.98	268.45	264.86	....	265.49	248.38	250.21	281.89	....	328.62	336.50
3	....	286.50	260.21	....	270.50	263.32	....	251.12	285.08	....	336.45	334.81
4	321.41	285.00	255.82	....	271.82	258.98	....	247.85	....	281.25	336.58	....
5	314.59	285.51	250.69	263.65	270.02	....	Holiday	248.12	....	283.14	337.66	....
6	311.29	....	....	264.89	271.92	....	246.42	244.99	Holiday	288.28	....	335.98
7	309.50	....	....	266.65	275.97	258.00	246.16	....	281.49	294.47	....	338.91
8	310.82	277.25	244.66	270.76	....	256.87	245.17	....	282.96	299.14	335.94	338.70
9	....	273.81	245.40	Holiday	....	254.62	248.50	240.36	283.85	....	341.32	336.10
10	....	275.06	249.19	....	275.74	254.57	....	240.00	281.19	....	339.87	334.37
11	300.19	275.91	248.18	....	280.94	259.78	....	238.54	....	304.09	341.85	....
12	297.94	275.00	244.94	272.88	280.18	....	249.29	237.29	....	307.00	339.90	....
13	291.40	....	....	274.94	279.41	....	248.33	237.54	281.67	314.79	....	335.30
14	292.61	....	....	274.41	278.95	255.95	248.51	....	284.82	314.39	....	330.63
15	296.61	Holiday	244.93	273.48	....	254.09	250.20	....	287.46	313.88	334.46	325.25
16	....	271.68	245.52	274.15	....	251.57	252.00	238.27	289.32	....	328.19	325.36
17	....	272.20	246.50	....	275.70	248.73	....	244.30	289.13	....	333.22	328.95
18	296.49	271.01	251.50	....	273.81	246.38	....	247.94	....	318.13	335.55	....
19	294.35	269.57	253.62	273.95	272.85	....	253.27	248.94	....	317.56	334.16	....
20	289.60	....	....	271.61	268.78	....	254.12	255.52	288.08	322.59	....	326.59
21	287.55	....	....	271.16	270.05	245.68	254.33	....	293.76	323.84	....	328.48
22	285.91	266.18	260.81	273.39	....	249.12	254.30	....	292.65	326.60	329.16	329.96
23	....	265.05	262.15	275.80	....	255.13	256.82	261.72	290.92	....	326.25	331.39
24	....	267.19	259.94	....	268.93	253.82	....	265.28	290.64	....	328.16	Holiday
25	282.62	267.58	262.13	....	268.61	252.43	....	271.63	....	316.42	Holiday	....
26	279.04	266.13	260.20	276.29	266.40	....	255.26	276.37	....	314.80	330.36	....
27	279.67	....	....	273.47	265.87	....	254.22	275.41	289.19	321.31	....	333.83
28	292.59	....	....	272.83	271.23	253.26	250.39	....	288.70	318.95	....	332.53
29	295.66	....	260.60	271.12	....	250.22	249.16	....	286.02	319.82	328.81	335.73
30	....	....	261.35	270.46	....	250.79	248.99	276.37	283.18	....	336.17	336.64
31	....	....	260.12	....	Holiday	....	....	280.02	....	....	....	340.60

AMERICAN STOCK EXCHANGE
MARKET VALUE INDEX (DAILY CLOSE)
During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	....	....	368.89	356.24	370.44	371.88	....	352.89	300.00	....	330.56
2	355.60	334.03	339.26	370.24	....	363.40	366.84	....	352.29	307.67	320.31	326.40
3	....	335.87	337.08	369.13	....	368.84	Holiday	358.88	338.29	....	324.25	327.75
4	....	338.23	337.29	....	349.65	369.37	....	359.84	337.28	....	324.27	330.12
5	357.27	342.18	336.57	....	349.98	370.01	....	368.37	....	307.90	324.12	....
6	353.59	347.43	336.66	364.31	353.23	....	360.20	370.46	....	308.69	324.92	....
7	339.09	....	....	363.75	359.99	....	360.77	369.52	Holiday	312.41	....	325.98
8	336.38	....	....	365.18	362.18	367.90	360.74	....	323.00	315.53	....	321.99
9	339.93	346.59	339.89	367.72	....	365.39	362.05	....	320.70	314.14	325.29	324.18
10	....	347.43	336.94	368.50	....	365.47	363.44	369.14	326.56	....	320.86	326.03
11	....	344.09	336.39	....	357.66	368.41	....	374.67	331.05	....	322.36	323.01
12	340.17	342.44	343.43	....	358.25	367.71	....	377.96	....	313.42	325.05	....
13	338.86	339.31	344.41	363.10	363.25	....	363.50	380.36	....	312.17	317.72	....
14	339.38	....	....	358.00	369.29	....	364.84	378.09	327.44	305.95	....	316.86
15	344.29	....	....	361.05	370.90	367.69	366.90	....	321.05	308.33	....	317.80
16	347.94	Holiday	347.46	365.42	....	363.42	370.67	....	313.31	307.19	309.87	317.97
17	....	336.90	345.66	Holiday	....	367.42	370.02	373.57	305.67	....	311.25	318.87
18	....	336.39	346.42	....	368.84	367.71	....	367.94	300.33	....	311.12	321.19
19	348.03	331.77	346.62	....	367.47	370.61	....	368.29	....	305.78	314.82	....
20	345.28	330.34	352.39	365.86	369.07	....	363.65	368.54	....	308.88	318.11	....
21	343.53	....	....	361.47	370.75	....	362.97	364.65	300.79	305.64	....	319.30
22	340.78	....	....	361.48	373.53	371.60	362.95	....	300.97	309.30	....	318.49
23	341.36	331.99	354.56	360.57	....	372.96	364.73	....	294.42	307.35	318.05	319.87
24	....	333.25	356.07	361.08	....	372.50	366.72	352.52	292.12	....	321.54	321.24
25	....	333.91	362.03	....	Holiday	374.41	....	351.21	276.76	....	323.36	Holiday
26	338.57	336.31	361.32	....	375.47	378.71	....	349.27	....	305.37	Holiday	....
27	343.41	338.94	357.87	361.27	379.77	....	367.58	348.69	....	310.58	330.16	....
28	343.43	....	....	357.15	377.87	....	362.02	354.80	285.79	309.18	....	318.53
29	346.59	....	....	354.47	377.00	373.45	360.05	....	291.96	306.22	....	316.49
30	345.03	....	356.65	356.25	....	374.63	360.66	....	292.86	312.02	332.85	317.24
31	....	....	360.60	....	....	....	361.97	349.93	....	....	....	320.63

AMERICAN STOCK EXCHANGE
MARKET VALUE INDEX (DAILY CLOSE)
During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	277.57	....	234.36	252.95	....	297.60	313.72	Holiday	338.20	....	365.03
2	241.41	....	....	238.05	254.81	272.51	301.34	....	328.62	339.11	....	362.81
3	239.66	....	301.38	237.01	....	273.69	306.36	....	333.14	340.39	338.85	363.21
4	243.55	276.64	300.16	Holiday	....	279.18	Holiday	310.53	331.90	....	Holiday	362.58
5	....	278.25	296.37	....	255.66	279.54	....	310.90	331.36	....	338.81	355.17
6	....	279.97	286.26	....	254.83	282.01	....	313.47	....	346.62	332.25	....
7	246.38	284.25	277.50	231.77	254.32	....	309.89	317.13	....	344.36	335.16	....
8	250.88	288.79	....	237.00	251.68	....	308.59	319.41	328.24	346.67	....	342.27
9	251.75	....	....	244.10	246.31	283.89	307.27	....	331.44	347.27	....	341.53
10	254.45	....	265.40	247.89	....	285.74	303.81	....	336.13	348.55	333.76	334.59
11	255.76	286.65	271.93	247.30	....	288.92	306.60	322.25	339.99	....	338.76	327.69
12	....	288.91	271.42	....	245.78	287.12	....	318.96	341.35	....	340.31	333.48
13	....	287.74	266.11	....	251.42	287.75	....	319.45	....	353.31	348.17	....
14	258.69	281.38	262.03	244.67	254.01	....	310.12	324.85	....	352.74	352.21	....
15	260.19	281.35	....	243.56	253.44	....	306.44	325.06	339.46	361.11	....	333.28
16	261.64	....	....	238.20	257.81	287.21	307.88	....	340.94	358.00	....	335.04
17	262.95	....	249.20	235.21	....	288.90	307.92	....	343.72	357.65	354.34	340.81
18	264.46	Holiday	253.27	235.72	....	288.97	310.41	318.71	340.14	....	357.98	342.28
19	....	286.02	258.28	....	259.24	284.38	....	317.54	340.06	....	355.72	347.58
20	....	294.95	255.75	....	259.73	285.12	....	324.66	....	362.96	360.28	....
21	266.39	297.52	252.78	233.70	260.33	....	312.04	331.09	....	361.69	358.44	....
22	261.00	296.59	....	245.03	262.92	....	311.32	332.15	345.18	363.33	....	353.39
23	264.00	....	....	246.58	266.77	286.82	316.66	....	345.13	355.65	....	351.04
24	266.60	....	241.17	247.91	....	289.46	317.92	....	347.49	355.44	356.44	352.50
25	266.79	293.82	237.13	249.31	....	294.42	316.47	331.48	342.63	....	361.60	Holiday
26	....	297.83	231.92	....	Holiday	294.37	....	331.25	334.46	....	365.75	354.22
27	....	298.27	215.69	....	271.79	296.76	....	328.55	....	351.43	Holiday	....
28	270.79	299.89	228.89	249.86	273.96	....	314.96	323.29	....	355.59	370.75	....
29	270.65	303.48	....	252.32	268.07	....	317.28	324.77	324.38	344.41	....	349.37
30	276.37	....	....	253.37	271.67	293.61	316.04	....	331.55	331.45	....	349.54
31	275.42	....	233.04	....	....	....	314.49	....	....	335.99	....	348.99

AMERICAN STOCK EXCHANGE
MARKET VALUE INDEX (DAILY CLOSE)
During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	158.78	162.27	....	184.19	188.00	....	198.54	....	225.31	206.93	....
2	152.03	159.25	162.97	177.46	184.28	....	198.99	199.16	....	229.70	209.04	....
3	154.19	....	....	179.85	184.15	....	199.31	198.99	Holiday	230.15	....	228.09
4	156.0[illegible]	....	....	180.65	182.55	189.25	Holiday	....	214.73	232.57	....	229.66
5	157.6[illegible]	157.99	164.49	182.38	....	190.29	199.16	....	210.00	235.15	208.33	230.58
6	....	158.16	164.15	181.74	....	191.93	200.47	199.01	215.99	....	207.24	233.47
7	....	156.99	164.82	....	176.93	194.53	....	199.43	222.59	....	203.95	232.26
8	157.45	158.74	166.69	....	175.66	194.28	....	200.20	....	232.41	205.95	....
9	158.43	160.08	166.66	181.10	177.01	....	201.71	200.54	....	220.15	208.74	....
10	158.37	....	....	181.53	175.69	....	200.22	202.41	223.42	212.65	....	233.51
11	158.86	....	....	180.42	176.41	194.07	197.83	....	221.48	213.24	....	235.11
12	160.33	160.71	168.39	180.32	....	196.04	195.61	....	224.43	212.81	213.09	237.32
13	....	161.82	170.15	Holiday	....	195.95	196.09	203.54	223.61	....	213.33	238.72
14	....	162.16	170.83	....	176.17	195.71	....	204.22	225.92	....	215.22	240.61
15	161.13	162.58	171.65	....	176.05	197.19	....	208.11	....	209.14	218.14	....
16	159.38	163.15	172.77	179.03	176.22	....	197.18	207.98	....	207.35	218.06	....
17	159.50	....	....	178.65	178.84	....	195.46	211.00	223.87	208.80	....	244.15
18	160.70	....	....	180.39	180.10	196.73	194.27	....	222.62	209.79	....	242.18
19	161.04	Holiday	173.86	180.43	....	195.84	194.87	....	223.87	205.48	220.20	241.85
20	....	163.35	173.02	180.82	....	197.57	195.37	213.87	227.61	....	220.63	243.23
21	....	163.34	174.10	....	181.18	199.83	....	215.00	227.24	....	220.06	242.44
22	160.62	163.17	175.28	....	181.75	200.25	....	215.14	....	198.54	Holiday	....
23	161.08	162.75	176.80	180.88	182.10	....	195.28	214.87	....	195.76	223.14	....
24	160.39	....	....	182.44	183.09	....	195.47	216.24	225.36	197.15	....	242.62
25	161.70	....	....	183.51	185.45	199.73	196.91	....	225.47	196.60	....	Holiday
26	162.35	163.36	176.77	183.43	....	198.91	198.50	....	226.53	200.79	227.41	243.15
27	....	160.51	179.21	183.65	....	200.09	199.58	217.40	226.99	....	226.33	244.88
28	....	160.74	179.03	....	Holiday	200.77	....	216.45	225.18	....	227.06	245.61
29	161.93	....	179.61	....	187.49	200.76	....	215.59	....	202.46	227.57	....
30	161.26	....	179.70	184.18	185.65	....	199.30	215.15	....	203.88	227.78	....
31	159.24	....	....	....	186.94	....	198.69	217.61	....	203.64	....	247.07

AMERICAN STOCK EXCHANGE
MARKET VALUE INDEX (DAILY CLOSE)
During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	122.57	122.70	....	137.24	144.80	....	154.57	170.70	....	143.42	150.28
2	Holiday	122.80	123.06	....	137.70	145.61	....	156.58	....	169.54	143.50	....
3	126.69	122.78	123.09	128.43	138.07	....	145.54	157.26	....	168.93	145.32	....
4	126.14	....	....	128.95	138.79	....	Holiday	157.93	Holiday	169.72	....	150.26
5	124.91	....	....	129.85	139.89	146.49	144.90	....	171.06	169.83	....	151.53
6	123.05	122.92	122.56	130.85	....	147.15	145.17	....	171.21	170.23	144.48	151.94
7	....	123.66	123.23	131.81	....	147.59	146.30	158.37	171.98	....	141.58	151.49
8	....	124.15	123.97	....	140.04	149.10	....	159.05	175.13	....	141.99	151.16
9	121.13	124.33	124.43	....	140.18	149.35	....	160.04	....	171.49	142.07	....
10	120.15	124.64	125.35	132.27	140.68	....	146.70	160.25	....	171.41	143.39	....
11	119.73	....	....	132.35	141.56	....	147.48	161.30	176.30	172.01	....	151.31
12	120.46	....	....	132.54	142.57	149.30	148.16	....	176.69	172.15	....	150.76
13	120.64	124.41	125.65	133.68	....	150.45	148.62	....	176.87	170.79	141.23	150.23
14	....	123.67	125.77	134.69	....	151.32	149.92	161.90	175.77	....	138.98	150.21
15	....	123.46	126.09	....	142.92	150.74	....	161.56	174.06	....	139.69	149.30
16	120.35	122.48	126.79	....	143.83	150.16	....	162.73	....	167.83	141.03	....
17	120.62	122.95	127.33	135.75	144.67	....	150.85	164.09	....	163.55	143.38	....
18	121.19	....	....	134.66	144.35	....	150.17	164.52	171.27	160.59	....	145.68
19	121.59	....	....	134.83	144.66	149.57	151.00	....	169.07	158.17	....	146.38
20	121.83	Holiday	127.94	135.31	....	148.22	151.54	....	166.32	152.39	145.03	147.40
21	....	122.86	127.32	135.43	....	147.05	151.84	163.95	166.48	....	145.69	148.34
22	....	122.95	127.36	....	145.85	147.18	....	164.75	167.28	....	147.45	150.85
23	121.43	123.02	128.01	....	145.29	147.27	....	165.67	150.42	150.42	Holiday	....
24	121.22	123.87	Holiday	136.44	143.93	....	151.66	167.31	....	150.45	148.59	....
25	121.48	....	....	136.68	143.97	....	152.26	167.89	166.79	150.31	....	Holiday
26	120.62	....	....	136.65	144.30	145.59	152.88	....	168.25	146.38	....	151.53
27	120.84	123.34	128.31	135.85	....	144.77	153.58	....	167.43	141.31	148.84	150.08
28	....	122.85	128.67	136.36	....	145.08	154.15	166.55	167.58	....	147.44	149.42
29	....	....	128.94	....	Holiday	145.69	....	165.60	168.31	....	146.13	150.56
30	121.42	....	128.86	....	144.39	145.55	....	167.73	...	138.73	148.39	....
31	121.39	....	128.94	....	144.87	....	154.73	168.42	....	136.75	....	....

NATIONAL ASSOCIATION OF SECURITIES DEALERS
NASDAQ COMPOSITE INDEX (Daily Close)
During 1982

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	186.82	180.13	177.31	....	177.36	170.60	....	177.30	188.70	214.52	235.59
2	....	187.46	180.14	178.56	....	177.82	170.05	168.37	179.59	....	217.65	236.18
3	....	187.43	178.01	....	184.97	177.10	....	167.97	182.05	....	222.77	237.16
4	195.53	187.14	176.29	....	18595	174.82	....	166.56	....	188.02	225.01	....
5	192.33	188.21	173.97	178.21	185.88	....	HOLIDAY	165.15	....	188.77	227.03	....
6	191.15	....	....	178.68	187.27	....	169.22	163.59	HOLIDAY	191.98	....	239.29
7	191.02	....	....	179.91	188.13	173.87	168.08	....	180.88	195.59	....	240.65
8	192.05	184.63	171.03	181.15	....	173.28	166.80	....	181.79	198.89	226.74	240.70
9	....	182.51	169.71	HOLIDAY	....	170.94	168.07	161.38	182.77	....	230.19	237.24
10	....	182.97	170.42	....	187.57	171.37	....	161.32	182.47	....	230.41	233.85
11	188.80	182.25	170.09	....	188.19	173.55	....	160.77	....	202.31	231.52	....
12	187.32	182.52	168.23	180.89	188.06	....	168.85	159.84	....	202.16	232.61	....
13	185.73	....	....	180.76	187.66	....	169.35	159.14	182.90	205.17	....	233.33
14	185.89	....	....	180.41	188.22	172.15	169.21	....	184.60	204.85	....	231.33
15	187.32	HOLIDAY	167.92	181.12	....	171.19	169.61	....	186.31	204.46	229.34	225.69
16	....	180.71	168.28	182.25	....	171.44	170.18	159.68	186.80	....	224.97	225.60
17	....	181.25	168.20	....	186.90	169.85	....	162.28	186.61	....	227.75	228.93
18	187.21	181.38	170.13	....	185.81	168.50	....	164.99	....	206.61	229.28	....
19	186.16	180.65	171.76	182.37	183.91	....	170.09	164.92	....	207.48	229.41	....
20	185.72	....	....	181.94	182.72	....	170.83	166.96	186.00	210.70	....	227.88
21	186.40	....	....	182.32	182.40	168.00	171.54	....	187.91	212.83	....	228.52
22	185.83	179.07	173.83	183.66	....	169.05	172.06	....	188.62	215.29	225.79	231.04
23	....	177.49	174.95	184.93	....	170.86	172.11	169.88	188.15	....	225.17	232.33
24	....	178.58	174.84	....	181.71	171.12	....	172.23	188.61	....	226.88	HOLIDAY
25	183.52	179.44	175.83	....	181.12	170.48	....	174.93	....	210.89	HOLIDAY	....
26	183.41	174.43	175.20	185.80	178.76	....	171.45	178.17	....	209.92	228.64	....
27	183.57	....	....	184.72	178.37	....	170.71	177.60	188.64	212.20	....	233.20
28	186.22	....	....	184.89	178.54	171.07	168.37	....	189.04	211.87	....	232.20
29	188.39	....	175.50	184.15	....	170.53	167.60	....	188.26	212.63	228.39	232.27
30	....	....	175.42	184.70	....	171.30	167.35	176.36	187.65	....	232.31	231.28
31	....	....	175.65	....	HOLIDAY	....	....	177.71	....	....	....	232.41

NATIONAL ASSOCIATION OF SECURITIES DEALERS
NASDAQ COMPOSITE INDEX (Daily Close)

During 1981

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	....	....	211.34	216.68	223.02	214.63	....	195.17	181.09	....	201.13
2	203.55	193.09	199.06	211.96	....	219.59	212.80	....	195.39	184.37	197.25	200.35
3	....	193.56	198.35	212.65	....	218.89	HOLIDAY	210.40	191.99	....	198.78	199.90
4	....	194.57	198.75	....	213.32	219.68	....	210.09	189.63	....	199.73	200.88
5	204.17	196.29	199.05	....	211.55	221.30	....	211.03	....	185.91	200.02	....
6	204.07	197.87	199.89	211.27	211.98	....	209.10	211.67	....	185.87	199.97	....
7	197.35	....	....	211.76	213.66	....	208.01	211.36	HOLIDAY	188.78	....	199.71
8	195.89	....	....	212.80	214.84	220.84	208.44	....	184.79	191.01	....	198.13
9	197.66	196.93	200.14	213.91	....	220.01	210.03	....	184.77	191.27	199.92	198.29
10	....	196.70	199.03	215.15	....	220.40	210.54	210.84	187.55	....	199.90	198.92
11	....	195.81	198.16	....	212.79	222.34	....	211.67	189.81	....	200.05	198.64
12	198.44	194.61	200.67	....	213.12	222.76	....	211.95	....	191.28	200.99	....
13	198.05	193.89	202.17	214.33	213.78	....	210.86	212.36	....	191.92	200.16	....
14	199.08	....	....	213.39	215.18	....	209.88	212.12	189.62	189.43	....	195.67
15	199.85	....	....	214.98	216.51	222.96	210.84	....	189.56	189.85	....	195.16
16	201.13	HOLIDAY	203.44	216.64	....	220.58	212.02	....	187.82	190.24	197.16	195.09
17	....	193.98	203.19	HOLIDAY	....	220.61	212.76	209.65	185.71	....	197.68	195.70
18	....	194.73	204.00	....	216.94	218.71	....	207.01	184.27	....	197.60	197.01
19	201.58	192.74	204.45	....	216.12	219.56	....	207.22	....	189.77	197.32	....
20	198.72	192.29	206.29	217.55	217.63	....	209.27	207.97	....	191.23	198.60	....
21	198.09	....	....	216.73	218.35	....	207.17	206.76	184.41	192.38	....	196.37
22	197.12	....	....	217.19	219.23	218.60	206.16	....	183.26	192.43	....	195.64
23	197.52	193.06	207.62	218.02	....	219.23	206.41	....	179.99	191.91	198.01	195.45
24	....	193.94	207.70	219.56	....	218.77	208.00	200.76	180.39	....	199.04	195.70
25	....	193.99	209.31	....	HOLIDAY	219.31	....	197.78	175.12	....	200.01	HOLIDAY
26	196.13	196.13	209.53	....	220.24	219.76	....	197.81	....	191.01	HOLIDAY	....
27	197.18	198.01	208.82	219.88	222.17	....	209.42	196.82	....	192.61	201.02	....
28	197.37	....	....	217.63	223.31	....	208.91	197.55	175.03	193.75	....	195.14
29	197.88	....	....	216.22	223.47	218.22	208.95	....	178.51	193.08	....	193.91
30	197.81	....	208.96	216.74	....	215.75	210.03	....	180.03	195.24	201.37	194.66
31	....	....	210.18	....	....	....	211.63	195.75	....	....	....	195.84

NATIONAL ASSOCIATION OF SECURITIES DEALERS
NASDAQ COMPOSITE INDEX (Daily Close)
During 1980

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	HOLIDAY	162.30	....	133.14	139.68	....	158.17	172.49	HOLIDAY	189.62	....	204.91
2	148.17	....	....	135.80	140.25	150.17	159.18	....	182.34	190.81	....	203.71
3	145.97	....	156.87	136.01	....	149.92	160.87	....	184.53	193.43	193.15	204.90
4	148.02	162.02	155.39	HOLIDAY	....	151.21	HOLIDAY	171.89	185.05	....	HOLIDAY	206.19
5	....	162.20	152.94	....	141.04	152.21	....	172.52	185.61	....	196.03	203.02
6	....	162.99	148.64	....	142.23	152.68	....	173.45	....	196.01	193.96	....
7	148.62	163.77	146.19	133.40	143.58	....	163.63	175.24	....	196.17	193.51	....
8	150.68	165.25	....	134.47	143.26	....	163.58	175.88	184.45	197.18	....	195.87
9	151.60	....	....	136.04	143.06	153.00	164.09	....	184.84	197.53	....	195.07
10	153.12	....	143.75	137.28	....	154.15	163.84	....	186.31	197.79	193.10	193.58
11	153.87	164.46	144.56	137.75	....	155.22	164.82	177.11	188.16	....	195.02	188.75
12	....	164.57	144.63	....	142.96	155.31	....	176.62	189.58	....	197.78	191.22
13	....	164.98	144.97	....	144.10	156.59	....	177.02	....	198.87	200.25	....
14	154.40	163.54	144.44	136.67	145.66	....	166.52	178.76	....	199.02	201.76	....
15	154.96	162.56	....	136.39	146.62	....	167.05	179.89	189.59	199.43	....	191.83
16	155.99	....	....	135.76	147.24	156.79	167.10	....	191.31	197.95	....	191.88
17	155.81	....	139.70	134.55	....	156.98	168.67	....	193.95	197.24	201.59	194.02
18	156.14	HOLIDAY	138.92	134.66	....	157.19	169.99	177.24	193.61	....	203.76	196.01
19	....	161.06	139.97	....	147.24	156.73	....	176.28	195.33	....	205.02	197.91
20	....	162.10	139.64	....	146.93	156.51	....	177.68	....	197.15	206.50	....
21	157.35	161.31	138.80	133.08	146.75	....	170.48	179.91	....	196.46	206.07	....
22	156.92	160.08	....	135.71	147.96	....	169.79	181.70	195.94	197.90	....	199.79
23	158.50	....	....	136.92	149.48	156.99	169.82	....	195.05	195.81	....	199.86
24	159.24	....	134.61	138.69	....	157.66	169.92	....	195.18	196.17	204.22	200.14
25	159.70	157.97	132.52	137.92	....	158.74	169.63	181.58	194.05	....	205.41	HOLIDAY
26	....	158.50	132.22	....	HOLIDAY	159.00	....	182.39	190.77	....	207.06	201.28
27	....	157.73	124.09	....	150.10	159.18	....	182.15	....	194.35	HOLIDAY	....
28	160.70	157.46	129.25	138.54	150.70	....	170.02	180.99	....	193.76	208.15	....
29	160.29	158.03	....	139.35	150.09	....	171.06	181.52	185.79	194.49	....	199.84
30	161.30	....	....	139.99	150.45	157.78	172.33	....	187.76	192.51	....	200.46
31	161.75	....	131.00	....	....	....	171.81	....	....	192.78	....	202.34

NATIONAL ASSOCIATION OF SECURITIES DEALERS
NASDAQ COMPOSITE INDEX (Daily Close)

During 1979

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	Holiday	125.76	123.33	....	133.79	131.76	....	141.90	....	149.59	136.42	....
2	117.84	125.82	123.67	131.36	133.99	....	136.98	142.54	....	150.01	136.88	....
3	119.11	....	....	132.33	134.20	....	137.03	142.63	Holiday	150.51	....	143.86
4	120.66	....	....	132.75	133.72	131.95	Holiday	....	148.49	151.42	....	144.80
5	122.05	124.34	124.72	133.37	....	133.02	137.79	....	146.03	152.29	136.11	145.92
6	....	124.31	124.43	133.75	....	134.62	138.64	142.41	146.87	....	135.66	147.04
7	....	122.80	125.61	....	130.60	134.55	....	143.30	148.07	....	134.14	147.49
8	121.92	123.41	127.05	....	129.60	134.96	....	144.06	....	150.98	134.77	....
9	122.66	123.76	127.25	133.74	130.34	....	139.15	144.27	....	145.20	135.86	....
10	122.28	....	....	134.22	129.71	....	138.97	145.07	148.91	139.31	....	147.97
11	122.76	....	....	133.57	129.69	135.04	138.85	....	148.39	140.09	....	147.83
12	123.74	124.05	127.19	133.54	....	135.92	138.68	....	148.66	140.71	137.05	148.51
13	....	124.89	127.69	Holiday	....	136.01	138.52	146.07	149.33	....	137.14	148.97
14	....	124.61	127.59	....	128.99	136.02	....	146.30	150.56	....	137.76	150.03
15	124.47	124.93	127.85	....	129.01	136.25	....	147.14	....	138.39	138.92	....
16	123.74	125.57	128.55	132.48	129.35	....	138.89	147.44	....	138.34	139.07	....
17	123.59	....	....	132.26	130.44	....	137.86	147.84	150.46	139.04	....	150.56
18	124.31	....	....	132.91	131.01	135.85	137.26	....	149.19	139.46	....	149.72
19	124.65	Holiday	129.14	133.18	....	136.05	137.57	....	149.44	136.59	139.98	149.65
20	....	125.83	128.79	133.67	....	136.45	137.98	147.95	150.20	....	139.50	150.27
21	....	125.76	129.44	....	131.16	136.71	....	147.99	150.65	....	138.88	150.17
22	124.66	125.45	130.08	....	131.90	137.24	....	148.74	....	133.16	Holiday	....
23	125.46	125.04	130.58	133.87	132.12	....	137.57	149.13	....	132.61	139.85	....
24	125.34	....	....	134.29	132.10	....	138.02	149.40	150.12	133.02	....	149.97
25	126.42	....	....	134.78	132.68	136.89	138.97	....	149.27	132.73	....	Holiday
26	127.04	124.90	130.11	134.64	....	136.53	139.52	....	149.88	133.75	141.95	150.01
27	....	122.64	130.78	134.37	....	137.40	140.02	149.51	150.37	....	142.55	150.23
28	....	122.56	130.87	....	Holiday	138.08	....	149.54	149.98	....	143.53	150.83
29	126.77	....	131.29	....	132.46	138.13	....	150.04	....	133.91	144.16	....
30	126.51	....	131.76	133.82	131.39	....	140.54	150.06	....	135.48	144.26	....
31	125.82	....	....	....	131.42	....	141.33	150.44	....	135.53	....	151.14

1982 WEEKLY CASH LUMBER PRICES

Random Lengths 2x4s 8/20′, Studs and Plywood Sheathing
Prices to Wholesalers, net f.o.b. Mill—According to Random Lengths
(Dollars per 1000 BD. FT./SQ. FT.)

		Random Lengths Standard & Better—			Stud Grade	Plywood Sheathing— (½" CD Exterior	
Week Ending		Hem-Fir Spokane	*Spruce-Pine-Fir Western	*Spruce-Pine-Fir Great Lakes	Western	Western 4/5-Ply	Southern-Central 3-Ply
Jan.	8	167	136	202	118	180	173
	15	166	139	195	119	181	170
	22	168	136	200	118	183	164
	29	168	131	195	116	182	158
Feb.	5	168	129	195	116	179	158
	12	165	130	193	118	178	158
	19	164	134	195	121	174	158
	26	156	132	200	121	177	158
Mar.	5	155	131	200	121	177	160
	12	160	131	200	125	177	162
	19	160	136	200	130	175	164
	26	163	137	210	134	175	165
Apr.	2	167	136	210	134	171	165
	9	167	133	208	134	168	165
	16	167	131	200	132	162	164
	23	160	128	198	128	163	160
	30	162	124	195	122	162	160
May	7	159	128	203	126	159	163
	14	159	128	205	125	162	170
	21	159	132	208	130	173	184
	28	166	142	212	138	176	195
June	4	164	142	215	137	175	200
	11	166	150	220	141	170	201
	18	167	153	230	142	168	200
	25	164	152	230	137	165	200
July	2	160	148	225	133	164	196
	9	158	147	225	132	163	190
	16	158	145	218	130	166	186
	23	157	138	212	124	168	184
	30	152	133	203	121	166	179
Aug.	6	150	135	202	122	165	175
	13	148	132	205	120	164	175
	20	155	136	210	122	173	181
	27	155	135	210	122	176	199
Sep.	3	154	136	205	121	176	204
	10	154	136	210	121	174	204
	17	150	136	205	120	170	195
	24	149	132	202	118	174	188
Oct.	1	149	130	200	116	174	182
	8	150	133	203	120	177	189
	15	160	143	210	124	189	193
	22	160	142	215	124	190	195
	29	160	138	213	121	188	190
Nov.	5	169	151	220	126	190	191
	12	174	152	222	127	191	194
	19	180	160	230	142	196	197
	26	180	162	238	143	199	197
Dec.	3	182	164	240	144	200	196
	10	181	160	237	140	194	194
	17	185	173	240	153	190	194
	24	Market Upquoted during Holiday Season.				190	194
	31	188	175	245	158	188	194

*Western Inland stock is from Southern Oregon/Northern California coast, from Western Oregon or Washington: sales principally to western markets from Redding (inland) and Portland (coast) rate areas. Great Lakes, tax included.

Section Five

ECONOMIC INDICATORS AND FUNDAMENTALS

PRIME RATE CHARGED BY BANKS (Per cent per annum), According to the Federal Reserve

Effective Date:	Rate
Jne 19, 1979	11½
Jly 27	11¾
Aug 16	12
28	12¼
Sep 7	12¾
14	13
21	13¼
28	13½
Oct 9	14½
23	15
Nov 1	15¼
9	15½
16	15¼
30	15½
Dec 7	15¼
Feb 19, 1980	15¾
22	16¼-16½
29	16¾
Mar 4	17¼
7	17¾
14	18½
19	19
28	19½
Apr 2	20
18	19½
May 1	18½-19
2	18½

Effective Date:	Rate
May 7, 1980	17½
16	16½
23	14½
30	14
Jne 6	13
13	12-12½
20	12
Jly 7	11.50
25	11.00
Aug 22	11.25
27	11.50
Sep 8	12.00
12	12.25
19	12.50
26	13.00
Oct 1	13.50
17	14.00
29	14.50
Nov 6	15.50
17	16.25
21	17.00
26	17.75
Dec 2	18.50
5	19.00
10	20.00
16	21.00
19	21.50

Effective Date:	Rate
Jan 2, 1981	20.50
9	20.00
Feb 3	19.50
23	19.00
Mar 10	18.00
17	17.50
Apr 2	17.00
24	17.50
30	18.00
May 4	19.00
11	19.50
19	20.00
22	20.50
Jne 3	20.00
Jly 8	20.50
Sep 15	20.00
22	19.50
Oct 5	19.00
13	18.00
Nov 3	17.50
9	16.50-17.00
17	17.00
20	16.50
24	16.00
Dec 1	15.75

Effective Date:	Rate
Feb 2	16.50
18	17.00
23	16.50
Jly 20	16.00
29	15.50
Aug 2	15.00
16	14.50
18	14.00
23	13.50
Oct 7	13.00
14	12.00
Nov 22	11.50

Month	Avg. Rate
Jan, 1979	11.75
Feb	11.75
Mar	11.75
Apr	11.75
May	11.75
June	11.65
July	11.54
Aug	11.91
Sept	12.90
Oct	14.39
Nov	15.55
Dec	15.30

Month	Avg. Rate
Jan, 1980	15.25
Feb	15.63
Mar	18.31
Apr	19.77
May	16.57
June	12.63
July	11.48
Aug	11.12
Sept	12.23
Oct	13.79
Nov	16.06
Dec	20.35

Month	Avg. Rate
Jan, 1981	20.16
Feb	19.43
Mar	18.05
Apr	17.15
May	19.61
June	20.03
July	20.39
Aug	20.50
Sept	20.08
Oct	18.45
Nov	16.84
Dec	15.75

Month	Avg. Rate
Jan, 1982	15.75
Feb	16.56
Mar	16.50
Apr	16.50
May	16.50
June	16.50
July	16.26
Aug	14.39
Sept	13.50
Oct	12.52
Nov	11.85
Dec	11.50

FEDERAL RESERVE BANK DISCOUNT RATES (Percent per annum), According to the Federal Reserve

Effective Date	Range all F.R. Banks
1970: Dec 31	5½
1971: Jan 8	5¼-5½
15	5¼
19	5-5¼
22	5-5¼
29	5
Feb 13	4¾-5
19	4¾
Jly 16	4¾-5
23	5
Nov 11	4¾-5
19	4¾
Dec 13	4½-4¾
17	4½-4¾
24	4½

Effective Date	Range all F.R. Banks
1973: Jan 15	5
Feb 26	5-5½
Mar 2	5½
Apr 23	5½-5¾
May 4	5¾
11	5¾-6
18	6
Jne 11	6-6½
15	6½
Jly 2	7
Aug 14	7-7½
23	7½
1974: Apr 25	7½-8
30	8
Dec 9	7¾-8

Effective Date	Range all F.R. Banks
1974: Dec 16	7¾
1975: Jan 6	7¼
10	7¼
24	7¼
Feb 5	6¾-7¼
7	6¾
Mar 10	6¼-6¾
14	6¼
May 16	6-6¼
1976: Jan 19	5½-6
23	5½
Nov 22	5¼-5½
26	5¼
1977: Aug 30	5¼-5¾
31	5¼-5¾

Effective Date	Range all F.R. Banks
1977: Sep 2	5¾
Oct 26	6
1978: Jan 9	6-6½
20	6½
May 11	6½-7
12	7
Jly 3	7-7¼
10	7¼-7¾
Aug 22	7¾
Sep 22	8
Oct 16	8-8½
20	8½
Nov 1	8½-9½
3	9½
1979: Jly 20	10

Effective Date	Range all F.R. Banks
1979: Aug 17	10-10½
20	10½
Sep 19	10½-11
21	11
Oct 8	11-12
10	12
1980: Feb 16	12-13
19	13
May 29	12-13
30	12
Jne 13	11-12
16	11
Jly 28	10-11
29	10
Sep 26	11

Effective Date	Range all F.R. Banks
1980: Nov 17	12
Dec 5	12-13
8	13
1981: May 5	13-14
May 8	14
Nov 2	13-14
Nov 6	13
Dec 4	12
1982: Jly 20	11½-12
23	11½
Aug 2	11-11½
3	11
16	10½
27	10-10½
30	10

Effective Date	Range all F.R. Banks
1982: Oct 12	9½-10
13	9½
Nov 22	9-9½
26	9
Dec 14	8½-9
15	8½-9
17	8½

NATIONAL ASSOCIATION OF SECURITIES DEALERS
NASDAQ COMPOSITE INDEX (Daily Close)

During 1978

DATE	JAN	FEB	MAR	APR	MAY	JNE	JLY	AUG	SEP	OCT	NOV	DEC
1	....	101.54	101.47	....	115.96	120.34	....	126.81	135.35	....	114.64	116.19
2	Holiday	101.94	101.71	....	116.12	121.03	....	128.16	....	133.30	114.63	....
3	104.00	102.22	101.95	105.89	116.21	....	120.15	129.02	....	133.11	115.49	....
4	103.66	....	....	106.20	116.48	....	Holiday	129.71	Holiday	133.10	....	116.57
5	103.21	....	....	106.95	117.27	122.10	119.22	....	135.46	133.54	....	117.67
6	101.66	102.27	101.74	107.47	....	122.85	118.82	....	136.48	134.00	115.08	118.45
7	....	102.75	102.02	108.23	....	123.10	119.16	130.21	137.09	....	112.83	118.55
8	....	103.18	102.41	....	117.14	123.99	....	130.49	138.36	....	112.99	118.77
9	100.20	103.20	102.82	....	117.05	124.41	....	131.64	....	134.64	113.88	....
10	99.58	103.58	103.42	108.53	117.55	....	119.38	131.58	....	134.93	114.84	....
11	99.09	....	....	108.44	118.25	....	119.83	132.00	138.95	135.27	....	119.15
12	99.54	....	....	108.87	119.40	124.29	120.28	....	139.24	135.57	....	118.50
13	99.77	103.34	103.53	109.99	....	124.24	120.43	....	139.25	135.58	113.00	118.13
14	....	102.78	103.66	111.29	....	124.51	121.58	132.11	138.34	....	110.88	118.15
15	....	102.56	103.80	....	119.80	124.19	....	131.95	137.36	....	111.44	117.41
16	99.36	102.17	104.38	....	120.78	123.69	....	132.77	....	133.94	112.21	....
17	99.98	102.25	104.94	111.91	121.84	....	122.36	134.14	....	130.96	113.69	....
18	100.42	....	....	111.43	121.66	....	122.09	134.71	135.65	128.92	....	114.33
19	100.58	....	....	111.64	121.57	122.92	122.80	....	134.06	127.22	....	114.73
20	100.63	Holiday	105.36	112.86	....	122.03	123.75	....	132.66	123.83	114.51	115.33
21	....	101.99	105.02	113.32	....	120.63	123.60	133.77	132.10	....	114.56	115.85
22	....	102.13	105.16	....	121.93	120.68	....	133.87	132.30	....	115.37	116.93
23	100.34	102.16	105.39	....	120.97	120.74	....	134.73	....	121.94	Holiday	....
24	100.54	102.70	Holiday	113.60	119.80	....	123.59	135.38	....	121.14	116.17	....
25	100.87	....	....	114.28	119.82	....	123.29	135.84	132.11	121.16	....	Holiday
26	100.53	....	....	114.70	119.86	119.54	124.48	....	132.92	118.00	....	117.68
27	100.62	102.22	105.30	114.59	....	119.18	125.13	....	132.01	115.25	115.97	117.33
28	....	101.47	105.68	115.18	....	119.52	125.62	135.24	132.11	....	115.60	117.30
29	....	....	106.08	....	Holiday	119.98	....	134.63	132.89	....	114.09	117.98
30	100.97	....	106.18	....	120.00	120.30	....	134.75	....	112.40	114.69	....
31	100.84	....	106.20	....	120.24	....	126.32	135.01	....	111.12	....	....

BROKER CALL LOAN RATE (per cent per annum)
At major money center banks

Effective Date:	Rate
Nov 28, 1979	15-15½
Jan 10, 1980	14¾-15¼
Feb 15	14¾-15½
Feb 19	15½-15¾
Feb 25	15½-16¼
Feb 27	15¾-16¼
Mar 3	16¼-16¾
Mar 4	16½-17
Mar 6	17
Mar 7	17-17½
Mar 14	17½-18
Mar 17	18-18¼
Mar 19	18-19
Mar 21	18-18½
Mar 28	18½-19
Mar 31	18½-19½
Apr 2	19½
Apr 3	20
Apr 18	19½
Apr 23	19-19½
Apr 28	18½-19½
Apr 29	18½
May 5	17½-18½
May 6	17-18
May 7	16½-17
May 12	15-17
May 13	15
May 22	13½-14
May 23	13-14
May 27	12½-14
May 28	12½-13
Jne 4	12½
Jne 13	12½-11
Jne 17	11
Jly 2	10½-11
Jly 11	10½
Jly 21	10-10½
Jly 28	10
Jly 30	10-10½
Aug 4	10½
Aug 11	10-10½
Aug 15	10¼-10½
Aug 22	10½-10¾
Aug 28	10½-11
Aug 29	10½-11½
Sep 2	10¾-11⅜
Sep 8	10¾-11¼
Sep 12	11-11¼
Sep 19	11-11½
Sep 22	11-11¾
Sep 23	11¼-11¾
Sep 26	11½-12¼
Sep 29	12¼-13
Sep 30	12¾-13½
Oct 1	13-13½
Oct 2	12½-13
Oct 3	13½-14
Oct 8	13-14
Oct 15	13-13½
Oct 17	13½-14
Oct 24	13½-14¼
Oct 29	13¾-14¼
Oct 31	14-14½
Nov 6	15½
Nov 7	15½-16
Nov 17, 1980	15½-16¼
Nov 18	15½-17¼
Nov 20	17¼
Nov 21	17¼-17¾
Nov 24	17¾
Nov 25	17¾-18
Dec 1	18½
Dec 5	19½-20¼
Dec 10	20-20¼
Dec 12	20-21
Dec 15	20½-21
Dec 16	21
Dec 17	21-22
Dec 18	21¾-22
Dec 23	20½-21¾
Dec 24	21-21¾
Dec 29	19½-21
Dec 31	20-21
Jan 6, 1981	20-21½
Jan 7	20-21
Jan 9	20-21½
Jan 12	20½-21
Jan 27	20-21
Jan 28	19½-20
Feb 2	19-20
Feb 3	19-19½
Feb 6	18½-19½
Feb 9	18½-19
Feb 18	18-18½
Feb 19	17½-18½
Feb 25	17½-18
Mar 3	17½
Mar 10	17-17½
Mar 12	16½-17
Mar 16	16-16½
Mar 18	15¼-16
Mar 19	15-15¼
Mar 23	15
Mar 27	15-15½
Mar 31	15½-16
Apr 2	15½
Apr 3	15½-16½
Apr 6	16-16½
Apr 28	16½-17½
Apr 29	17¼-17½
May 1	18-20½
May 4	19-20½
May 14	19-20
May 21	19-20½
May 26	20-20½
May 28	19½-20½
Jne 1	19½
Jne 4	19½-20½
Jne 5	20½-21
Jne 9	19-21
Jne 10	19½-21
Jne 11	19½-20
Jne 15	19-20
Jne 18	19½-21
Jne 22	20½-21
Jne 23	20-21
Jne 25	20
Jly 2	20-20¾
Jly 8	20½-20¾
Jly 14	19½-19¾

BROKER CALL LOAN RATE (per cent per annum)
At major money center banks

Effective Date:	Rate
Jly 21, 1981	19½-20½
Jly 23	20½
Jly 30	19½
Jly 31	19-19½
Aug 7	19-20
Aug 11	19-19½
Aug 27	18-19
Sep 2	18
Sep 15	17-18
Sep 16	16¾-17½
Sep 23	16-17¼
Sep 28	16-17
Sep 30	16-16½
Oct 2	16-17
Oct 7	16-16½
Oct 13	16
Oct 14	16-17
Oct 15	16-16¼
Oct 21	16-16½
Oct 29	15½-16½
Oct 30	15½-15¾
Nov 10	14½-15¾
Nov 12	14½-15
Nov 17	14-15
Nov 18	14-14½
Nov 24	13¼-14½
Nov 30	13¼-14
Dec 2	13½-14
Dec 8	13½
Dec 16	13¼-13½
Dec 30	13½-14
Jan 8, 1982	13¼-14
Jan 20	14-14½
Jan 22	13½-14
Jan 25	13½-15½
Jan 26	14½-15¼
Jan 27	14-15¼
Jan 28	14½-15¼
Jan 29	14½-15
Feb 1	15-16
Feb 2	15½-16
Feb 3	15-16
Feb 4	15¾-16
Feb 11	15¾-16½
Feb 16	15¾-16
Feb 17	16¾-17
Feb 18	16-17
Feb 19	15¾-17
Feb 22	15¼-16
Feb 23	14¾-15¾
Feb 24	14-15
Mar 1	14½-15
Mar 3	14½-15½
Mar 4	15-15½
Mar 8	14½-15½
Mar 10	15-15½
Mar 12	15
Mar 17	15¾-16
Mar 18	15½-16
Mar 19	15¾-16
Mar 22	15¼-16
Mar 23	14½-15¾
Mar 24	14¾-15½
Mar 25	14½-15¼
Mar 26	14¾-15½
Mar 29, 1982	14¾-16
Mar 30	16
Mar 31	16-17
Apr 2	15¾-16¾
Apr 6	15-16
Apr 14	15-16¼
Apr 16	15¾-16
Apr 19	15¾-16¾
Apr 20	15½-16¼
Apr 21	15-16¼
Apr 26	14¾-16¼
Apr 28	15-16¼
Apr 29	16-16½
May 3	15½-16½
May 4	16-16¾
May 6	16-16½
May 10	16-16¾
May 11	15¼-16½
May 12	15½-16½
May 13	15¾-16½
May 14	15½-16½
May 17	15½-16¼
May 21	14¾-16¼
May 26	14½-16¼
Jne 8	14-16¼
Jne 9	14½-16¼
Jne 11	14¾-16¼
Jne 16	15¼-16¼
Jne 30	15½-16¼
Jly 6	15½-16½
Jly 7	15½-16¼
Jly 9	15¼-16¼
Jly 12	14½-15¾
Jly 13	14½-15½
Jly 14	14½-14¾
Jly 15	14½
Jly 19	13½-14½
Jly 20	13½-13¾
Jly 22	13-13¾
Jly 23	12½-13¾
Jly 27	12½-13½
Jly 29	12½-13
Jly 30	12½-13½
Aug 2	12½-13
Aug 3	12½
Aug 13	12
Aug 16	11¾-12½
Aug 17	11½-12½
Aug 19	11-11¾
Aug 26	10¾-11
Sep 1	11-11¾
Oct 6	11½-11¾
Oct 7	11-11¾
Oct 8	11-11½
Oct 12	10-11¼
Oct 13	10¼-11
Oct 14	10¼-10¾
Nov 24	10-10¾
Nov 29	10-10¼
Dec 15	10-10½
Dec 16	10-10¼
Dec 17	10-10¾
Dec 20	10-10¼
Dec 30	11½
Mar 26	14¾-15½

COMPOSITE INDEX OF 12 LEADING INDICATORS
(1967 = 100)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1948	52.8	51.3	51.5	52.1	51.7	52.0	52.0	51.1	50.2	50.1	49.3	48.9
1949	48.2	47.8	47.4	46.8	47.0	46.8	47.7	48.9	50.6	50.8	51.1	51.4
1950	52.2	53.0	53.3	54.4	55.4	56.3	58.6	59.9	59.2	58.4	57.5	57.6
1951	58.7	58.2	57.9	56.7	56.3	55.1	54.5	54.1	54.7	54.9	54.9	55.4
1952	55.5	55.6	55.8	55.4	55.9	57.1	56.8	57.5	59.2	58.7	58.9	59.1
1953	59.7	59.8	60.1	59.7	59.1	58.1	58.2	57.3	55.9	55.8	55.3	55.4
1954	55.6	56.1	56.1	56.7	57.3	57.9	58.7	58.4	59.7	60.9	62.3	63.1
1955	64.1	65.2	66.0	66.1	66.5	66.7	67.4	67.5	67.9	67.1	67.5	67.2
1956	67.0	66.7	67.1	67.4	66.3	66.0	66.4	66.5	66.3	66.4	66.4	66.0
1957	65.4	65.3	65.3	64.8	65.0	65.3	65.2	65.1	64.2	63.5	62.7	62.1
1958	62.2	61.6	62.0	62.2	63.4	64.7	66.2	67.5	68.7	69.4	70.4	70.1
1959	71.4	72.3	73.7	74.0	74.2	73.7	73.4	73.1	73.3	72.7	71.9	73.2
1960	72.9	72.1	70.8	70.9	71.0	71.1	71.4	71.4	71.5	71.2	70.8	70.4
1961	70.9	71.4	72.7	73.9	74.8	75.7	75.7	76.7	76.4	77.5	78.5	78.8
1962	78.8	79.9	80.0	79.6	78.7	77.9	78.7	79.3	79.9	80.0	80.8	81.0
1963	81.6	82.4	83.2	83.9	84.7	84.5	84.3	84.7	85.7	86.3	86.5	86.7
1964	87.2	88.2	88.4	89.3	90.2	89.9	90.8	91.5	92.7	92.8	93.1	93.7
1965	94.5	94.8	95.2	95.0	95.6	95.3	95.5	95.8	96.4	97.0	98.0	99.1
1966	99.9	100.8	101.9	101.5	100.2	99.4	99.1	98.3	97.3	96.7	96.5	96.4
1967	97.4	97.0	96.9	97.1	97.9	99.2	100.1	101.9	102.3	102.5	103.2	104.4
1968	104.4	105.5	105.7	104.7	105.4	106.0	106.9	106.5	108.1	110.3	110.8	111.5
1969	112.2	112.1	111.7	112.7	112.2	111.2	110.2	110.3	110.8	110.7	109.5	109.1
1970	107.5	106.6	105.5	104.5	105.1	105.5	104.8	104.7	104.9	104.4	105.0	107.3
1971	108.6	110.2	111.9	112.9	113.7	113.5	113.3	113.7	114.6	115.5	116.5	118.0
1972	119.2	120.7	122.2	123.0	122.9	123.3	124.4	126.0	127.5	129.4	130.3	131.4
1973	132.4	134.1	134.2	133.4	133.5	133.1	132.7	131.5	130.9	131.0	131.1	128.7
1974	128.7	128.0	127.8	126.1	125.5	123.8	123.5	120.3	116.5	113.5	111.2	109.2
1975	107.7	107.6	107.8	111.0	113.4	115.8	118.2	119.0	120.6	122.0	122.4	122.8
1976	126.1	128.0	128.8	129.3	130.5	131.6	132.2	131.9	132.4	132.2	133.5	134.5
1977	134.5	136.5	138.4	138.5	138.9	139.8	138.5	140.5	141.1	141.9	141.6	142.4
1978	141.0	142.8	144.9	146.3	146.4	146.9	145.4	146.2	146.8	147.9	147.6	147.2
1979	147.7	147.5	149.3	146.4	147.6	146.5	145.2	144.5	144.5	141.7	140.1	140.5
1980	141.4	140.4	137.4	133.4	130.9	132.0	135.1	138.3	141.2	142.4	143.4	143.0
1981	142.1	140.4	141.7	144.6	144.5	143.2	142.9	142.4	139.3	136.9	137.0	136.2
1982	135.1	135.7	134.7	136.1	136.4	135.8	136.7	136.4	138.1	139.2	139.6	141.2

NOTE: This series contains revisions beginning with 1948

COMPOSITE INDEX OF 6 LAGGING INDICATORS
(1967 = 100)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1948	36.4	36.8	37.0	37.1	37.2	37.4	38.0	39.0	39.3	38.9	39.8	39.6
1949	40.0	40.2	40.0	40.0	40.2	39.7	39.7	39.2	38.8	39.7	39.2	39.4
1950	39.3	39.0	38.6	38.8	38.9	38.8	38.5	38.7	40.1	41.4	42.5	42.0
1951	42.8	43.7	44.5	45.1	45.6	46.5	47.0	47.1	47.3	47.8	48.3	49.4
1952	50.2	50.3	50.8	50.6	51.3	52.2	52.3	51.9	51.9	51.7	52.3	53.0
1953	53.3	53.8	54.1	55.2	56.5	56.8	56.9	57.3	57.9	58.1	58.3	58.5
1954	57.9	57.3	56.3	55.3	54.9	54.3	54.1	53.5	53.2	53.0	53.0	52.9
1955	52.6	52.7	53.0	52.6	53.2	53.9	54.2	56.5	56.9	58.2	59.4	59.4
1956	60.0	60.2	61.2	62.5	63.9	64.4	66.1	64.9	65.9	66.0	66.6	66.4
1957	67.0	66.6	67.0	67.8	68.1	68.1	68.4	71.0	72.3	71.8	72.6	73.2
1958	71.8	69.3	69.2	67.8	64.6	63.3	62.6	61.9	63.5	64.0	63.8	64.7
1959	64.1	64.0	64.3	64.3	66.1	68.3	69.4	71.4	75.1	76.3	76.4	75.2
1960	74.9	76.2	77.0	77.3	78.6	79.4	79.2	78.4	75.8	75.8	76.4	77.2
1961	76.7	76.6	75.8	75.0	74.5	73.7	73.3	73.1	73.4	73.1	72.6	73.0
1962	73.8	73.5	73.9	74.5	74.8	75.6	75.9	76.2	76.6	77.1	77.5	78.0
1963	77.9	78.1	78.3	78.3	78.5	79.0	79.5	80.0	80.3	80.7	82.1	82.4
1964	81.9	82.9	83.4	83.8	83.5	84.3	83.8	85.0	85.9	86.6	85.7	86.1
1965	87.0	87.7	88.2	88.9	89.8	89.9	89.7	90.7	90.5	91.2	91.9	92.3
1966	92.4	93.3	93.6	94.6	95.6	96.4	97.0	97.5	97.5	97.7	99.0	99.3
1967	99.3	99.6	100.3	100.2	100.2	100.4	100.5	99.8	100.3	100.1	99.6	99.6
1968	99.8	100.4	100.3	101.1	101.5	101.8	101.5	102.2	102.5	102.6	103.2	104.3
1969	104.9	105.6	105.9	107.0	108.0	109.2	109.3	109.9	110.4	111.1	111.3	111.8
1970	114.8	114.8	115.1	113.7	113.6	114.0	113.5	114.1	113.6	113.5	112.8	111.0
1971	109.1	108.8	108.3	107.2	107.3	105.2	106.0	107.0	106.9	106.4	106.0	105.9
1972	104.4	104.2	104.4	104.7	105.1	105.9	105.4	105.0	104.9	105.1	105.1	104.8
1973	106.2	107.3	107.6	109.4	109.6	110.7	112.0	112.0	113.2	113.3	113.6	114.5
1974	114.6	114.4	113.6	115.6	116.7	117.1	117.1	117.2	118.6	118.7	119.7	121.1
1975	121.0	119.0	118.6	115.2	112.8	108.6	108.0	106.9	105.9	106.0	104.7	104.6
1976	104.3	103.8	103.3	102.8	103.4	102.9	103.2	103.2	103.9	104.2	103.8	103.7
1977	103.8	104.3	104.2	104.7	105.2	106.3	106.2	107.2	107.7	108.3	109.0	109.4
1978	111.4	111.6	112.3	111.6	112.8	113.7	114.3	114.8	115.4	115.3	117.1	118.0
1979	119.2	119.7	118.8	121.7	121.0	122.3	122.3	123.0	124.7	125.8	126.3	126.1
1980	126.2	127.1	130.2	132.3	129.6	125.5	121.8	120.5	119.4	119.0	120.1	123.0
1981	121.7	120.7	119.0	119.0	122.2	122.4	122.5	123.3	124.7	125.0	124.5	124.4
1982	126.1	125.3	125.1	125.8	125.2	124.8	124.1	122.2	121.3	120.6	118.2	116.5

NOTE: This series contains revisions beginning with 1948

COMPOSITE INDEX OF 4 ROUGHLY COINCIDENT INDICATORS

(1967 = 100)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1948	50.0	49.9	50.4	50.0	50.3	51.2	51.3	51.4	51.3	51.4	51.1	50.6
1949	49.5	49.1	48.5	48.1	47.5	47.2	46.6	47.1	47.8	45.7	46.6	47.2
1950	47.9	47.6	49.1	50.3	51.4	52.7	54.7	56.5	55.8	56.0	55.8	57.1
1951	57.6	57.4	57.6	57.9	57.8	57.9	57.3	57.6	57.3	57.6	57.8	57.7
1952	57.9	58.8	58.7	58.5	58.8	58.4	57.3	59.9	61.6	62.5	62.8	63.4
1953	63.8	64.3	64.9	64.9	65.0	64.7	64.9	64.1	63.4	63.1	61.9	60.8
1954	60.0	60.0	59.4	59.1	58.9	58.9	58.7	58.7	59.0	59.4	60.4	61.2
1955	61.9	62.3	63.5	64.3	65.2	65.6	66.2	66.2	66.7	67.4	67.8	68.2
1956	68.3	68.2	68.2	68.8	68.4	68.4	65.9	68.2	68.9	69.6	69.4	69.9
1957	69.6	70.0	69.9	69.3	68.9	69.1	69.1	69.1	68.4	67.7	66.6	65.4
1958	64.3	63.0	62.1	61.0	61.2	62.1	63.1	63.6	64.2	64.6	66.2	65.9
1959	67.0	67.7	68.8	69.8	70.6	70.8	70.2	68.1	67.9	67.6	68.3	70.9
1960	71.9	71.6	71.0	71.3	70.9	70.4	70.0	69.7	69.3	69.1	68.1	67.2
1961	67.0	66.8	67.3	67.5	68.3	69.3	69.4	70.1	70.2	71.0	72.0	72.4
1962	72.0	72.7	73.2	73.7	73.7	73.6	74.0	74.2	74.2	74.4	74.7	74.4
1963	74.5	75.1	75.4	76.0	76.3	76.6	76.8	76.9	77.4	78.0	77.7	78.3
1964	78.6	79.4	79.5	80.4	81.0	81.2	81.9	82.5	83.1	82.1	83.7	85.1
1965	85.4	86.0	86.8	87.3	87.9	88.5	89.4	89.6	90.2	91.2	92.1	93.0
1966	93.6	94.3	95.4	95.5	96.0	97.1	97.3	97.6	97.7	98.3	98.3	98.6
1967	99.4	98.8	98.9	99.1	99.0	99.2	99.5	100.3	100.4	100.3	102.0	103.3
1968	102.8	103.5	104.0	104.4	105.2	106.0	106.6	106.8	107.1	107.7	108.5	108.9
1969	109.1	109.9	110.5	110.8	110.8	111.4	112.1	112.5	112.6	112.9	111.9	112.0
1970	110.8	110.8	110.8	110.5	110.1	109.7	109.8	109.3	109.0	106.7	105.8	107.6
1971	108.6	108.5	108.8	109.1	109.6	109.8	109.6	109.3	110.1	110.2	111.0	112.2
1972	114.0	114.4	115.6	116.6	117.2	116.9	117.8	119.3	119.9	121.8	123.2	124.5
1973	125.5	127.0	127.4	127.2	127.5	127.8	128.7	127.8	128.7	129.7	130.7	129.8
1974	128.7	128.0	127.8	127.6	128.2	128.3	128.2	127.3	126.5	125.2	122.2	118.4
1975	116.2	114.6	113.0	113.3	114.1	114.9	115.6	117.3	118.1	118.5	118.9	119.5
1976	121.4	122.9	123.6	124.3	124.6	124.8	125.3	125.5	125.6	125.3	126.8	127.8
1977	128.3	129.2	130.9	131.6	132.5	133.6	134.3	134.6	135.8	136.6	137.2	138.1
1978	137.1	138.3	140.0	143.0	143.1	144.2	145.0	145.9	146.1	147.4	148.4	149.7
1979	149.3	149.4	151.2	149.1	150.6	150.6	151.0	150.6	150.4	150.3	149.9	150.0
1980	150.7	149.6	148.1	145.1	142.4	141.1	140.8	141.2	142.7	144.2	145.3	146.1
1981	146.8	147.2	147.2	147.1	146.9	147.5	147.6	147.3	146.5	144.5	143.0	140.9
1982	138.4	139.9	139.2	138.0	138.8	137.2	136.3	135.2	134.3	132.2	132.3	132.1

NOTE: This series contains revisions beginning with 1948

RATIO, COINCIDENT COMPOSITE INDEX TO LAGGING COMPOSITE INDEX
(1967 = 100)

Year	Jan	Feb	Mar	Apr	May	Jne	Jly	Aug	Sep	Oct	Nov	Dec
1948	137.4	135.6	136.2	134.8	135.2	136.9	135.0	131.8	130.5	132.1	128.4	127.8
1949	123.8	122.1	121.3	120.2	118.2	118.9	117.4	120.2	123.2	115.1	118.9	119.8
1950	121.9	122.1	127.2	129.6	132.1	135.8	142.1	146.0	139.2	135.3	131.3	136.0
1951	134.6	131.4	129.4	128.4	126.8	124.5	121.9	122.3	121.1	120.5	119.7	116.8
1952	115.3	116.9	115.6	115.6	114.6	111.9	109.6	115.4	118.7	120.9	120.1	119.6
1953	119.7	119.5	120.0	117.6	115.0	113.9	114.1	111.9	109.5	108.6	106.2	103.9
1954	103.6	104.7	105.5	106.9	107.3	108.5	108.5	109.7	110.9	112.1	114.0	115.7
1955	117.7	118.2	119.8	122.2	122.6	121.7	122.1	117.2	117.2	115.8	114.1	114.8
1956	113.8	113.3	111.4	110.1	107.0	106.2	99.7	105.1	104.6	105.5	104.2	105.3
1957	103.9	105.1	104.3	102.2	101.2	101.5	101.0	97.3	94.6	94.3	91.7	89.3
1958	89.6	90.9	89.7	90.0	94.7	98.1	100.8	102.7	101.1	100.9	103.8	101.9
1959	104.5	105.8	107.0	108.6	106.8	103.7	101.2	95.4	90.4	88.6	89.4	94.3
1960	96.0	94.0	92.2	92.2	90.2	88.7	88.4	88.9	91.4	91.2	89.1	87.0
1961	87.4	87.2	88.8	90.0	91.7	94.0	94.7	95.9	95.6	97.1	99.2	99.2
1962	97.6	98.9	99.1	98.9	98.5	97.4	97.5	97.4	96.9	96.5	96.4	95.4
1963	95.6	96.2	96.3	97.1	97.2	97.0	96.6	96.1	96.4	96.7	94.6	95.0
1964	96.0	95.8	95.3	95.9	97.0	96.3	97.7	97.1	96.7	94.8	97.7	98.8
1965	98.2	98.1	98.4	98.2	97.9	98.4	99.7	98.8	99.7	100.0	100.2	100.8
1966	101.3	101.1	101.9	101.0	100.4	100.7	100.3	100.1	100.2	100.6	99.3	99.3
1967	100.1	99.2	98.6	98.9	98.8	98.8	99.0	100.5	100.1	100.2	102.4	103.7
1968	103.0	103.1	103.7	103.3	103.6	104.1	105.0	104.5	104.5	105.0	105.1	104.4
1969	104.0	104.1	104.3	103.6	102.6	102.0	102.6	102.4	102.0	101.6	100.5	100.2
1970	96.5	96.5	96.3	97.2	96.9	96.2	96.7	95.8	96.0	94.0	93.8	96.9
1971	99.5	99.7	100.5	101.8	102.1	104.4	103.4	102.1	103.0	103.6	104.7	105.9
1972	109.2	109.6	110.7	111.4	111.5	110.4	111.8	113.6	114.3	115.9	117.2	118.8
1973	118.2	118.4	118.4	116.3	116.3	115.4	114.9	114.1	113.7	114.5	115.1	113.4
1974	112.3	111.9	112.5	110.4	109.9	109.6	109.5	108.6	106.7	105.5	102.1	97.8
1975	96.0	96.3	95.3	98.4	101.2	105.8	107.0	109.7	111.5	111.8	113.6	114.2
1976	116.4	118.4	119.7	120.9	120.5	121.3	121.4	121.6	120.9	120.2	122.2	123.2
1977	123.6	123.9	125.6	125.7	126.0	125.7	126.5	125.6	126.1	126.1	125.9	126.2
1978	123.1	123.9	124.7	128.1	126.9	126.8	126.9	127.1	126.6	127.8	126.7	126.9
1979	125.3	124.8	127.3	122.5	124.5	123.1	123.5	122.4	120.6	119.5	118.7	119.0
1980	119.4	117.7	113.7	109.7	109.9	112.4	115.6	117.2	119.5	121.2	121.0	118.8
1981	120.6	122.0	123.7	123.6	120.2	120.5	120.5	119.5	117.5	115.6	114.9	113.3
1982	109.8	111.7	111.3	109.7	110.9	109.9	109.8	110.6	110.7	109.6	111.9	113.4

NOTE: This series contains revisions beginning with 1948.

GROSS NATIONAL PRODUCT, 1929-82

[Billions of dollars, except as noted; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Gross national product	Personal consumption expenditures	Gross private domestic investment	Net exports of goods and services			Government purchases of goods and services					Final sales	Percent change from preceding period[1]	
								Federal						
				Net exports	Exports	Imports	Total	Total	National defense	Nondefense	State and local		Gross national product	Final sales
1929......	103.4	77.3	16.2	1.1	7.0	5.9	8.8	1.4	...	...	7.4	101.7	6.6	...
1933......	55.8	45.8	1.4	.4	2.4	2.0	8.2	2.1	...	...	6.1	57.4	−4.2	−5.6
1939......	90.9	67.0	9.3	1.2	4.6	3.4	13.5	5.2	1.2	3.9	8.3	90.5	7.0	5.3
1940......	100.0	71.0	13.1	1.8	5.4	3.6	14.2	6.1	2.2	3.9	8.1	97.8	10.0	8.1
1941......	125.0	80.8	17.9	1.5	6.1	4.7	24.9	16.9	13.7	3.2	8.0	120.6	25.0	23.2
1942......	158.5	88.6	9.9	.2	5.0	4.8	59.8	52.0	49.4	2.6	7.8	156.7	26.7	30.0
1943......	192.1	99.4	5.8	−1.9	4.6	6.5	88.9	81.3	79.7	1.6	7.5	192.8	21.3	23.0
1944......	210.6	108.2	7.2	−1.7	5.5	7.2	97.0	89.4	87.4	2.0	7.6	211.6	9.6	9.8
1945......	212.4	119.5	10.6	−.5	7.4	7.9	82.8	74.6	73.5	1.1	8.2	213.5	.9	.9
1946......	209.8	143.8	30.7	7.8	15.1	7.3	27.5	17.6	14.8	2.8	9.9	203.5	−1.2	−4.7
1947......	233.1	161.7	34.0	11.9	20.2	8.3	25.5	12.7	9.0	3.7	12.8	233.5	11.1	14.8
1948......	259.5	174.7	45.9	6.9	17.5	10.5	32.0	16.7	10.7	6.0	15.3	254.8	11.3	9.1
1949......	258.3	178.1	35.3	6.5	16.3	9.8	38.4	20.4	13.2	7.2	18.0	261.4	−.5	2.6
1950......	286.5	192.0	53.8	2.2	14.4	12.2	38.5	18.7	14.0	4.7	19.8	279.7	10.9	7.0
1951......	330.8	207.1	59.2	4.4	19.7	15.3	60.1	38.3	33.5	4.8	21.8	320.5	15.5	14.6
1952......	348.0	217.1	52.1	3.2	19.1	15.9	75.6	52.4	45.8	6.5	23.2	344.8	5.2	7.6
1953......	366.8	229.7	53.3	1.3	18.0	16.7	82.5	57.5	48.6	8.9	25.0	366.3	5.4	6.2
1954......	366.8	235.8	52.7	2.5	18.7	16.2	75.8	47.9	41.1	6.8	27.8	368.4	.0	.6
1955......	400.0	253.7	68.4	3.0	21.0	18.0	75.0	44.5	38.4	6.0	30.6	394.1	9.0	7.0
1956......	421.7	266.0	71.0	5.3	25.0	19.8	79.4	45.9	40.2	5.7	33.5	417.0	5.4	5.8
1957......	444.0	280.4	69.2	7.3	28.1	20.8	87.1	50.0	44.0	5.9	37.1	442.6	5.3	6.1
1958......	449.7	289.5	61.9	3.3	24.2	21.0	95.0	53.9	45.6	8.3	41.1	451.2	1.3	1.9
1959......	487.9	310.8	78.1	1.4	24.8	23.4	97.6	53.9	45.6	8.3	43.7	482.2	8.5	6.9
1960......	506.5	324.9	75.9	5.5	28.9	23.4	100.3	53.7	44.5	9.3	46.5	503.6	3.8	4.4
1961......	524.6	335.0	74.8	6.6	29.9	23.3	108.2	57.4	47.0	10.4	50.8	522.2	3.6	3.7
1962......	565.0	355.2	85.4	6.4	31.8	25.4	118.0	63.7	51.1	12.7	54.3	558.8	7.7	7.0
1963......	596.7	374.6	90.9	7.6	34.2	26.6	123.7	64.6	50.3	14.3	59.0	590.7	5.6	5.7
1964......	637.7	400.5	97.4	10.1	38.8	28.8	129.8	65.2	49.0	16.2	64.6	632.1	6.9	7.0
1965......	691.1	430.4	113.5	8.8	41.1	32.3	138.4	67.3	49.4	17.8	71.1	681.2	8.4	7.8
1966......	756.0	465.1	125.7	6.5	44.6	38.1	158.7	78.8	60.3	18.5	79.8	741.9	9.4	8.9
1967......	799.6	490.3	122.8	6.3	47.3	41.0	180.2	90.9	71.5	19.5	89.3	789.3	5.8	6.4
1968......	873.4	536.9	133.3	4.3	52.4	48.1	199.0	98.0	76.9	21.2	101.0	865.5	9.2	9.7
1969......	944.0	581.8	149.3	4.2	57.5	53.3	208.8	97.6	76.3	21.2	111.2	934.2	8.1	7.9

[1] Changes are based on unrounded data and therefore may differ slightly from changes computed from data shown here.

GROSS NATIONAL PRODUCT, 1929-82—(Contd.)

[Billions of dollars, except as noted; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Gross national product	Personal consumption expenditures	Gross private domestic investment	Net exports of goods and services			Government purchases of goods and services					Final sales	Percent change from preceding period[1]	
				Net exports	Exports	Imports	Total	Federal			State and local		Gross national product	Final sales
								Total	National defense	Nondefense				
1970	992.7	621.7	144.2	6.7	65.7	59.0	220.1	95.7	73.6	22.2	124.4	989.5	5.2	5.9
1971	1,077.6	672.2	166.4	4.1	68.8	64.7	234.9	96.2	70.2	26.0	138.7	1,070.0	8.6	8.1
1972	1,185.9	737.1	195.0	.7	77.5	76.7	253.1	101.7	73.1	28.5	151.4	1,175.7	10.1	9.9
1973	1,326.4	812.0	229.8	14.2	109.6	95.4	270.4	102.0	72.8	29.1	168.5	1.307.9	11.8	11.2
1974	1,434.2	888.1	228.7	13.4	146.2	132.8	304.1	111.0	77.0	33.9	193.1	1,420.1	8.1	8.6
1975	1,549.2	976.4	206.1	26.8	154.9	128.1	339.9	122.7	83.0	39.7	217.2	1,556.1	8.0	9.6
1976	1,718.0	1,084.3	257.9	13.8	170.9	157.1	362.1	129.2	86.0	43.2	232.9	1,706.2	10.9	9.6
1977	1,918.3	1.204.4	324.1	– 4.0	182.7	186.7	393.8	143.4	92.8	50.6	250.4	1,895.3	11.7	11.1
1978	2,163.9	1,346.5	386.6	– 1.1	218.7	219.8	431.9	153.6	100.3	53.3	278.3	2.137.4	12.8	12.8
1979	2,417.8	1.507.2	423.0	13.2	281.4	268.1	474.4	168.3	111.8	56.5	306.0	2,403.5	11.7	12.4
1980	2,633.1	1,667.2	402.3	25.2	339.2	314.0	538.4	197.2	131.4	65.8	341.2	2,643.1	8.9	10.0
1981	2,937.7	1,843.2	471.5	26.1	367.3	341.3	596.9	228.9	153.7	75.2	368.0	2,917.3	11.6	10.4
1982^{p}	3,057.5	1,972.0	421.9	16.5	349.7	333.2	647.1	257.3	178.5	78.8	389.8	3,078.9	4.1	5.5
1980:														
I	2.575.9	1,618.7	424.0	14.0	335.7	321.7	519.2	189.6	126.8	62.8	329.6	2,576.6	12.2	11.8
II	2,573.4	1,622.2	391.0	24.2	337.3	313.1	536.0	198.8	130.0	68.8	337.2	2,573.9	– .4	– .4
III	2,643.7	1,682.0	384.1	39.0	337.2	298.2	538.5	193.3	130.5	62.8	345.2	2,664.8	11.4	14.9
IV	2,739.4	1,745.8	410.3	23.5	346.7	323.2	559.8	207.0	138.1	68.9	352.8	2,757.1	15.3	14.6
1981:														
I	2,864.9	1,799.9	455.7	31.2	365.4	334.2	578.1	217.0	143.1	73.9	361.1	2,852.7	19.6	14.6
II	2,901.8	1,819.4	475.5	23.7	368.9	345.1	583.2	218.2	150.5	67.7	365.0	2,877.2	5.3	3.5
III	2,980.9	1,868.8	486.0	25.9	367.2	341.3	600.2	230.0	154.4	75.7	370.1	2,949.1	11.4	10.4
IV	3,003.2	1,884.5	468.9	23.5	367.9	344.4	626.3	250.5	166.9	83.6	375.7	2,989.9	3.0	5.7
1982:														
I	2,995.5	1,919.4	414.8	31.3	359.9	328.6	630.1	249.7	166.2	83.5	380.4	3,031.1	– 1.0	5.6
II	3,045.2	1,947.8	431.5	34.9	365.8	330.9	630.9	244.3	176.2	68.2	386.6	3,061.4	6.8	4.1
III	3,088.2	1,986.3	443.3	6.9	349.5	342.5	651.7	259.0	182.7	76.3	392.7	3,083.5	5.8	2.9
IV^{p}	3,101.3	2,034.6	397.9	– 6.9	323.7	330.6	675.7	276.1	188.9	87.2	399.6	3,139.8	1.7	7.5

[1] Changes are based on unrounded data and therefore may differ slightly from changes computed from data shown here.

P—preliminary

IMPLICIT PRICE DEFLATORS FOR GROSS NATIONAL PRODUCT, 1929-82

[Index numbers, 1972 = 100, except as noted; quarterly data seasonally adjusted]

						Gross private domestic investment[1]							
						Fixed investment							
		Personal consumption expenditures					Nonresidential			Residential			
Year or quarter:	Gross national product[1]	Total	Durable goods	Non-durable goods	Services	Total	Total	Structures	Producers' durable equipment	Total	Non-farm structures	Farm structures	Producers' durable equipment
1929	32.76	35.9	44.2	38.4	31.6	28.3	28.3	24.3	33.4	28.2	27.8	28.6	77.2
1933	25.13	26.9	32.5	26.8	26.1	22.4	22.9	19.2	26.2	20.7	19.8	19.5	58.8
1939	28.43	30.5	35.9	30.5	29.2	27.7	28.2	23.0	32.0	26.6	26.3	23.4	61.1
1940	29.06	30.9	36.7	30.9	29.5	28.5	29.1	23.4	32.8	27.4	27.2	23.6	59.6
1941	31.23	33.2	40.0	33.6	30.8	30.7	31.0	24.9	34.9	30.0	29.7	26.6	63.8
1942	34.32	36.7	43.7	39.1	32.4	33.5	33.9	28.4	37.3	32.4	31.8	30.7	71.3
1943	36.14	40.1	46.7	43.7	34.2	35.7	35.9	32.4	37.3	34.9	34.3	35.7	71.4
1944	37.01	42.4	51.3	46.2	36.1	37.0	36.8	33.8	38.0	38.1	37.3	40.8	75.0
1945	37.91	44.1	55.5	47.8	37.3	37.2	36.7	33.9	37.9	40.8	40.0	42.9	84.6
1946	43.88	47.8	62.1	52.1	38.8	41.3	40.0	36.6	42.8	44.6	43.9	46.6	95.2
1947	49.55	52.9	67.8	58.7	41.7	49.0	46.9	44.0	48.6	53.7	53.0	52.8	105.6
1948	52.98	56.0	70.3	62.3	44.4	53.7	51.5	48.8	53.0	58.1	57.5	57.3	111.5
1949	52.49	55.8	70.5	60.3	46.0	54.9	53.0	48.4	56.0	58.7	58.1	58.0	107.9
1950	53.56	56.9	72.2	60.7	47.4	56.7	54.5	49.3	57.8	60.0	59.5	59.4	107.4
1951	57.09	60.6	76.3	65.8	49.9	60.9	59.1	55.1	61.7	64.4	63.8	63.8	114.9
1952	57.92	62.0	76.7	66.5	52.6	62.3	60.1	56.3	62.6	66.4	65.8	65.7	114.6
1953	58.82	63.2	77.2	66.3	55.4	63.1	61.2	57.4	63.8	66.9	66.3	66.2	114.2
1954	59.55	63.7	75.0	66.6	57.2	63.6	61.7	56.5	65.5	67.1	66.6	66.5	112.4
1955	60.84	64.4	75.6	66.3	58.4	65.0	62.9	57.6	66.6	68.7	68.2	68.3	109.1
1956	62.79	65.6	77.7	67.3	60.1	68.5	67.3	62.4	71.1	71.0	70.5	70.6	104.3
1957	64.93	67.8	80.9	69.4	62.2	71.1	71.0	64.9	75.5	71.4	70.9	70.9	103.4
1958	66.04	69.2	81.3	71.0	64.1	71.0	70.9	63.9	76.6	71.2	70.7	70.8	101.9
1959	67.60	70.6	83.8	71.4	66.0	71.8	72.2	64.2	78.3	71.1	70.6	70.7	101.8
1960	68.70	71.9	83.8	72.6	67.9	72.1	72.5	63.7	79.4	71.4	70.9	71.1	100.8
1961	69.33	72.6	84.3	73.3	69.0	71.8	72.0	63.3	79.3	71.3	70.9	70.7	99.0
1962	70.61	73.7	85.4	73.9	70.4	72.2	72.5	63.6	79.4	71.5	71.1	71.2	96.8
1963	71.67	74.8	86.2	74.9	71.7	72.3	73.1	64.1	79.7	70.9	70.5	70.6	95.3
1964	72.77	75.9	87.1	75.8	72.7	72.9	73.8	64.9	80.1	71.2	70.8	70.9	94.3
1965	74.36	77.2	86.8	77.3	74.2	74.0	74.7	66.4	80.6	72.3	72.0	72.2	92.1
1966	76.76	79.4	86.7	80.1	76.4	76.3	76.9	69.2	82.1	74.6	74.3	74.2	90.8
1967	79.06	81.4	88.2	81.9	78.7	78.8	79.5	72.2	84.3	77.0	76.7	76.7	91.0
1968	82.54	84.6	91.1	85.3	81.9	82.2	82.8	75.8	87.2	80.7	80.5	80.6	93.5
1969	86.79	88.4	93.3	89.4	86.0	87.0	86.7	81.5	89.9	87.7	87.5	87.5	95.7

IMPLICIT PRICE DEFLATORS FOR GROSS NATIONAL PRODUCT, 1929-82

[Index numbers, 1972 = 100, except as noted; quarterly data seasonally adjusted]

Year or quarter:	Gross national product[1]	Personal consumption expenditures				Gross private domestic investment[1]							
						Fixed investment							
							Nonresidential			Residential			
		Total	Durable goods	Nondurable goods	Services	Total	Total	Structures	Producers' durable equipment	Total	Nonfarm structures	Farm structures	Producers' durable equipment
1970	91.45	92.5	95.7	93.6	90.5	91.1	91.3	88.2	93.2	90.5	90.3	90.6	97.8
1971	96.01	96.5	99.0	96.6	95.6	95.7	96.2	94.5	97.2	94.8	94.7	95.0	99.3
1972	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1973	105.75	105.7	101.7	108.5	104.7	105.5	103.8	107.7	101.8	109.1	109.4	109.2	100.6
1974	115.08	116.4	108.2	123.4	113.0	116.7	115.4	128.2	109.3	120.3	120.8	120.5	106.8
1975	125.79	125.3	117.3	132.5	121.6	131.9	132.2	144.8	126.2	131.0	131.6	131.9	116.9
1976	132.34	131.7	123.9	137.2	129.6	139.2	138.6	149.0	133.9	140.7	141.3	140.7	122.7
1977	140.05	139.3	129.2	143.6	139.3	149.8	146.3	159.4	141.0	158.0	159.0	157.0	126.7
1978	150.42	149.1	136.4	153.4	150.0	163.2	157.2	176.4	149.7	178.3	179.8	180.0	132.6
1979	163.42	162.5	145.0	169.9	162.3	178.5	170.8	200.2	158.8	200.5	202.7	202.7	140.3
1980	178.64	179.2	156.3	188.4	178.8	193.3	186.1	227.7	169.0	218.5	221.7	218.8	149.2
1981	195.51	194.5	167.5	202.7	196.3	208.0	201.3	251.5	179.8	233.6	237.1	236.9	159.4
1982[p]	207.23	206.0	174.9	208.9	213.3	215.8	210.1	266.4	183.4	239.3	242.8	242.6	168.3
1980:													
I	172.31	172.8	151.9	181.9	172.2	188.5	181.0	216.9	165.8	212.5	215.2	214.7	145.2
II	176.52	177.1	154.4	186.2	176.5	191.5	184.9	224.9	167.9	217.2	220.6	219.1	148.0
III	180.60	181.2	158.0	190.5	180.9	195.1	187.9	232.7	169.9	221.8	225.2	221.2	150.8
IV	185.16	185.5	161.1	195.1	185.4	198.3	190.8	237.2	172.3	223.4	226.4	224.3	153.0
1981:													
I	190.01	189.2	163.0	199.3	189.6	202.3	194.5	241.5	175.1	229.0	232.2	227.3	155.4
II	193.17	192.6	166.2	201.7	193.4	207.4	200.7	249.1	179.9	231.7	234.9	233.4	158.3
III	197.36	196.4	169.7	204.2	198.6	209.4	203.0	252.7	181.4	235.8	239.4	237.9	161.3
IV	201.55	199.8	171.3	205.6	203.6	212.9	206.8	261.9	182.5	239.2	243.3	242.7	162.8
1982:													
I	203.68	202.2	173.0	206.8	207.4	213.6	207.6	264.5	181.9	240.5	244.3	243.8	165.7
II	205.98	204.0	174.0	207.1	210.6	216.6	211.3	267.6	184.6	238.6	242.1	242.0	168.1
III	208.51	207.7	176.1	210.0	215.3	216.2	210.7	266.7	183.8	238.8	242.3	241.9	169.4
IV[p]	210.73	210.2	176.3	211.4	219.8	216.8	210.9	266.7	183.5	239.4	242.7	242.9	170.0

P—preliminary

IMPLICIT PRICE DEFLATORS FOR GROSS NATIONAL PRODUCT, 1929-82

[Index numbers, 1972 = 100, except as noted; quarterly data seasonally adjusted]

Year or quarter:	Exports and imports of goods and services [1]		Government purchases of goods and services					Final sales	Percent change from preceding period [2]	
				Federal						
	Exports	Imports	Total	Total	National defense	Non-defense	State and local		GNP implicit price deflator	Final sales implicit price deflator
1929......	42.2	45.5	21.5	20.5	....	....	21.8	32.7	0.0	....
1933......	26.5	23.6	19.2	19.4	....	....	19.1	25.3	−2.1	−2.6
1939......	32.1	31.0	21.4	22.7	....	....	20.7	28.4	−.8	−.9
1940......	34.9	32.8	21.7	22.7	....	....	20.9	29.0	2.2	1.8
1941......	37.3	35.4	25.5	27.8	....	....	21.7	31.0	7.5	7.2
1942......	43.6	40.0	31.2	33.0	....	....	22.8	34.3	9.9	10.6
1943......	46.8	41.3	32.8	34.0	....	....	23.7	36.3	5.3	5.6
1944......	51.9	42.7	32.3	33.1	....	....	24.8	37.0	2.4	2.1
1945......	53.6	44.9	31.2	31.9	....	....	25.8	37.9	2.4	2.2
1946......	55.4	51.8	29.6	30.2	....	....	28.5	43.7	15.7	15.3
1947......	62.8	62.3	33.6	35.0	....	....	32.4	49.6	12.9	13.[illegible]
1948......	66.5	67.8	37.7	39.0	....	....	36.4	52.6	6.9	6.0
1949......	63.1	64.6	39.7	41.4	....	....	37.8	52.6	−.9	.1
1950......	61.0	68.8	39.2	39.6	....	....	38.9	53.3	2.1	1.3
1951......	68.8	82.6	45.0	46.6	....	....	42.3	56.7	6.6	6.2
1952......	68.6	79.9	47.3	48.9	....	....	44.1	57.8	1.4	2.0
1953......	67.5	76.7	48.5	50.1	....	....	45.2	58.9	1.6	1.9
1954......	67.2	77.2	48.6	49.9	....	....	46.5	59.6	1.2	1.2
1955......	68.5	77.1	49.2	50.4	....	....	47.6	60.6	2.2	1.8
1956......	71.0	78.4	51.7	52.9	....	....	50.2	62.6	3.2	3.3
1957......	74.0	79.6	54.0	55.1	....	....	52.6	64.9	3.4	3.6
1958......	73.1	76.1	56.0	57.7	....	....	53.8	66.1	1.7	1.9
1959......	73.5	75.2	57.2	59.0	....	....	55.1	67.5	2.4	2.1
1960......	75.2	76.1	58.0	59.4	....	....	56.5	68.6	1.6	1.7
1961......	76.1	75.5	59.1	60.2	....	....	58.0	69.3	.9	1.0
1962......	76.0	74.2	61.1	62.0	....	....	60.1	70.5	1.8	1.8
1963......	76.3	75.2	62.6	63.5	....	....	61.6	71.6	1.5	1.5
1964......	77.2	76.8	64.1	65.1	....	....	63.1	72.7	1.5	1.5
1965......	79.4	77.7	66.0	67.1	....	....	64.9	74.2	2.2	2.1
1966......	81.9	79.4	69.1	70.0	....	....	68.2	76.6	3.2	3.2
1967......	83.5	79.9	72.5	72.7	....	....	72.4	79.0	3.0	3.1
1968......	85.5	81.1	76.5	76.5	....	....	76.4	82.5	4.4	4.4
1969......	88.5	83.2	81.1	80.1	....	....	82.0	86.8	5.1	5.2

IMPLICIT PRICE DEFLATORS FOR GROSS NATIONAL PRODUCT, 1929-82

[Index numbers, 1972 = 100, except as noted; quarterly data seasonally adjusted]

	Exports and imports of goods and services[1]		Government purchases of goods and services						Percent change from preceding period[2]	
				Federal						
Year or quarter:	Exports	Imports	Total	Total	National defense	Non-defense	State and local	Final sales	GNP implicit price deflator	Final sales implicit price deflator
1970	93.2	88.6	87.7	86.6	....	....	88.6	91.5	5.4	5.4
1971	97.0	93.3	93.9	92.7	....	....	94.7	96.0	5.0	5.0
1972	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4.2	4.1
1973	112.7	116.7	106.7	106.3	106.6	105.6	107.0	105.7	5.8	5.7
1974	134.8	164.6	116.8	114.9	115.1	114.2	118.0	115.0	8.8	8.8
1975	149.6	179.6	128.2	126.0	124.9	128.2	129.4	125.7	9.3	9.3
1976	155.3	185.6	136.6	133.5	132.4	135.7	138.3	132.2	5.2	5.2
1977	161.9	205.5	146.3	142.8	141.9	144.6	148.4	139.7	5.8	5.7
1978	172.6	214.1	157.3	153.1	152.7	153.8	159.7	150.3	7.4	7.5
1979	192.5	246.1	170.4	164.8	166.0	162.5	173.7	163.3	8.6	8.7
1980	213.1	289.3	189.2	185.2	187.4	181.0	191.6	178.7	9.3	9.5
1981	231.8	293.1	207.9	207.4	209.0	204.2	208.2	195.3	9.4	9.3
1982p	237.1	284.3	222.3	221.6	226.9	210.4	222.7	207.5	6.0	6.2
1980:										
I	204.2	282.5	182.4	178.2	180.3	174.1	184.8	172.1	10.5	10.1
II	209.2	289.8	186.8	132.2	184.6	177.9	189.6	176.3	10.1	10.1
III	216.3	290.1	190.0	183.3	186.5	176.8	194.0	181.0	9.6	11.2
IV	223.5	294.9	197.7	197.5	198.4	195.7	197.8	185.6	10.5	10.5
1981:										
I	229.3	300.7	201.5	201.2	201.7	200.3	201.7	189.5	10.9	8.7
II	230.9	298.7	205.5	204.0	206.4	198.9	206.3	193.1	6.8	7.8
III	232.6	287.7	209.5	207.8	207.9	207.4	210.7	197.4	9.0	9.3
IV	234.5	286.1	215.0	216.0	219.5	209.4	214.3	201.3	8.8	8.1
1982:										
I	237.3	286.4	217.8	218.3	223.0	209.6	217.5	204.0	4.3	5.4
II	236.8	278.8	221.1	221.6	225.2	212.6	220.9	206.5	4.6	5.0
III	236.9	285.4	223.9	223.0	226.5	214.9	224.5	208.7	5.0	4.3
IVp	237.4	286.7	226.0	223.3	232.4	205.9	227.9	210.8	4.3	4.2

[1] Separate deflators are not calculated for gross private domestic investment, change in business inventories, and net exports of goods and services.

[2] Changes are based on unrounded data and therefore may differ slightly from changes computed from data shown here. Quarterly changes are at annual rates.

P—preliminary

GROSS NATIONAL PRODUCT BY INDUSTRY, 1947-81

[Billions of dollars]

		Gross domestic product												
					Manufacturing									
Year:	Gross national product	Agriculture, forestry, and fisheries	Mining	Construction	Total	Durable goods	Nondurable goods	Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services	Government and government enterprises	Statistical discrepancy	Rest of the world
1947.....	233.1	20.8	6.8	9.1	66.2	33.5	32.7	20.5	44.2	23.2	20.2	19.3	1.5	1.2
1948.....	259.5	24.0	9.4	11.5	74.7	38.1	36.5	23.1	48.4	26.2	21.9	20.2	−1.6	1.6
1949.....	258.3	19.5	8.1	11.5	72.1	37.1	35.0	23.4	48.0	28.6	22.6	22.5	.6	1.4
1950.....	286.5	20.8	9.3	13.0	83.7	45.8	37.9	25.7	51.3	31.9	24.0	23.8	1.3	1.6
1951.....	330.8	23.8	10.2	15.4	98.7	55.4	43.3	29.2	56.4	35.2	25.9	30.8	3.2	2.1
1952.....	348.0	23.1	10.1	16.6	103.0	58.9	44.1	31.0	58.5	38.7	27.5	35.3	1.7	2.3
1953.....	366.8	21.3	10.6	17.1	112.1	65.9	46.2	32.9	59.8	42.8	29.4	36.4	2.3	2.2
1954.....	366.8	20.7	10.9	17.2	106.4	60.8	45.6	32.6	60.8	46.5	30.5	36.9	2.0	2.3
1955.....	400.0	19.9	12.4	18.5	120.9	70.6	50.3	35.6	66.2	50.0	34.0	38.5	1.3	2.8
1956.....	421.7	19.7	13.4	20.6	126.8	73.7	53.2	38.3	70.4	53.5	37.3	40.7	−2.1	3.2
1957.....	444.0	19.5	13.5	21.4	131.4	77.7	53.7	40.2	73.9	57.6	40.2	44.0	−1.2	3.5
1958.....	449.7	21.9	12.4	21.0	123.8	69.7	54.1	40.4	75.2	62.4	42.3	47.1	.2	3.0
1959.....	487.9	20.2	12.3	22.8	141.3	81.2	60.0	43.7	81.9	67.3	46.3	50.0	−1.3	3.3
1960.....	506.5	21.4	12.6	23.2	143.8	82.1	61.7	45.8	84.2	71.6	49.2	53.4	−2.4	3.6
1961.....	524.6	21.5	12.7	24.0	144.4	81.3	63.1	47.4	86.3	75.4	52.3	56.7	−.1	3.9
1962.....	565.0	21.9	12.8	25.7	157.9	91.5	66.4	50.2	92.1	80.6	56.1	61.1	2.1	4.6
1963.....	596.7	22.0	13.1	27.4	167.4	97.6	69.8	53.0	96.1	85.3	60.0	65.9	1.7	4.9
1964.....	637.7	21.0	13.4	29.8	179.4	105.3	74.2	56.3	104.7	91.0	65.3	71.2	.1	5.5
1965.....	691.1	23.8	13.5	32.8	197.7	118.0	79.7	60.5	112.6	98.0	70.8	76.7	−1.2	5.9
1966.....	756.0	24.8	14.2	35.9	216.6	130.4	86.3	65.3	121.5	105.9	78.4	86.4	1.4	5.6
1967.....	799.6	24.2	14.6	37.5	222.3	133.6	88.7	68.6	130.1	114.2	86.1	96.3	−.3	5.9
1968.....	873.4	25.0	15.3	41.3	242.8	146.0	96.8	74.0	144.4	123.8	94.2	108.1	−2.1	6.7
1969.....	944.0	27.8	16.1	46.3	256.7	154.5	102.2	80.0	157.0	133.6	105.3	118.2	−3.9	6.9
1970.....	992.7	28.6	17.6	48.9	252.2	146.2	105.9	85.7	166.5	142.4	114.4	130.5	−1.5	7.3
1971.....	1,077.6	30.8	17.4	53.6	265.6	153.9	111.7	93.8	181.4	156.4	123.6	141.8	4.1	9.2
1972.....	1,185.9	35.4	19.0	59.4	292.5	173.2	119.3	104.3	199.5	169.8	136.5	155.4	3.3	10.9
1973.....	1,326.4	53.8	21.7	66.3	326.1	195.9	130.2	114.3	221.5	184.9	153.1	167.8	.8	16.0
1974.....	1,434.2	52.2	32.2	69.2	340.7	201.3	139.4	122.9	241.5	202.0	167.5	182.7	3.7	19.8
1975.....	1,549.2	53.3	38.8	69.9	358.2	207.6	150.6	135.7	266.2	216.2	186.2	202.0	5.5	17.3
1976.....	1,718.0	51.2	43.0	76.6	410.4	240.0	170.4	152.6	291.4	238.6	208.2	220.4	5.1	20.5
1977	1,918.3	54.6	47.4	86.6	464.8	277.7	187.1	170.9	322.3	275.5	234.3	237.2	1.4	23.5
1978.....	2,163.9	66.0	52.0	102.1	518.7	316.7	202.0	193.3	362.3	317.4	265.9	259.1	−2.6	29.6
1979.....	2,417.8	79.6	66.8	115.7	563.2	344.3	218.9	209.6	401.5	358.3	302.4	279.6	−1.5	42.6
1980.....	2,633.1	74.1	94.1	121.2	581.2	347.8	233.4	232.4	425.7	405.2	342.5	306.8	3.9	46.1
1981.....	2,937.7	85.6	127.2	127.2	644.0	388.4	255.6	261.9	472.7	448.2	386.9	336.7	−1.9	49.2

Note—The industry classification is on an establishment basis and is based on the 1972 Standard Industrial Classification.

SOURCES OF PERSONAL INCOME, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Personal income	Wage and salary disbursements[1]						Other labor income[1]	Proprietors' income with inventory valuation and capital consumption adjustments	
		Total	Commodity-producing industries		Distributive industries	Service industries	Government and government enterprises		Farm	Nonfarm
			Total	Manufacturing						
1929	85.0	50.5	21.5	16.1	15.6	8.4	5.0	0.5	6.1	8.9
1933	47.0	29.0	9.8	7.8	8.8	5.2	5.2	.4	2.9	3.3
1939	72.4	46.0	17.4	13.6	13.3	7.1	8.2	.6	4.4	7.4
1940	77.9	49.9	19.7	15.6	14.2	7.5	8.5	.6	4.4	8.6
1941	95.4	62.1	27.5	21.7	16.3	8.1	10.2	.7	6.4	11.1
1942	122.6	82.1	39.1	30.9	18.0	9.0	16.0	.9	10.1	14.1
1943	150.8	105.6	49.0	40.9	20.1	9.9	26.6	1.1	12.0	17.1
1944	164.5	116.9	50.4	42.9	22.7	10.9	33.0	1.5	12.0	18.4
1945	170.0	117.5	45.9	38.2	24.8	11.9	34.9	1.8	12.4	19.4
1946	177.6	112.0	46.0	36.5	31.0	14.3	20.7	2.0	14.9	21.8
1947	190.1	123.1	54.2	42.5	35.2	16.1	17.5	2.4	15.1	20.8
1948	209.0	135.5	61.1	47.1	37.5	17.9	19.0	2.7	17.6	23.3
1949	206.4	134.8	57.8	44.6	37.7	18.5	20.8	2.9	12.8	23.6
1950	227.2	147.0	64.8	50.3	39.8	19.8	22.6	3.7	13.7	25.0
1951	254.9	171.3	76.3	59.3	44.3	21.5	29.2	4.6	16.1	27.2
1952	271.8	185.4	82.0	64.1	46.9	23.1	33.3	5.2	15.1	28.2
1953	287.7	198.6	89.6	71.2	49.7	24.9	34.4	5.9	13.1	28.6
1954	289.6	196.8	85.7	67.5	50.1	26.1	34.9	6.1	12.5	28.7
1955	310.3	211.7	93.1	73.8	53.4	28.6	36.6	7.0	11.5	31.4
1956	332.6	228.3	100.6	79.4	57.7	31.3	38.8	8.0	11.2	32.7
1957	351.0	239.3	104.2	82.4	60.5	33.6	41.0	9.0	11.1	34.2
1958	361.1	240.5	100.0	78.6	60.8	35.6	44.1	9.4	13.2	34.5
1959	384.4	258.9	109.6	86.6	64.8	38.5	46.0	10.6	10.9	36.7
1960	402.3	271.9	113.1	89.7	68.2	41.4	49.2	11.2	11.7	35.5
1961	417.8	279.5	113.7	89.8	69.3	44.1	52.4	11.8	12.1	36.5
1962	443.6	298.0	121.8	96.7	72.8	47.2	56.3	13.0	12.3	37.6
1963	466.2	313.4	126.9	100.6	76.3	50.2	60.0	14.0	12.0	38.5
1964	499.2	336.1	135.4	107.1	81.4	54.4	64.9	15.7	10.8	41.7
1965	540.7	362.0	146.0	115.5	87.2	58.9	69.9	17.3	13.1	43.8
1966	588.2	398.4	161.0	128.0	94.4	64.7	78.3	19.9	14.1	46.4
1967	630.0	427.0	168.3	134.1	100.9	71.3	86.4	21.7	12.6	48.6
1968	690.6	469.6	183.4	145.8	110.0	79.6	96.6	25.2	12.7	51.3
1969	754.7	515.7	199.6	157.5	120.8	89.7	105.5	28.5	14.6	52.5

SOURCES OF PERSONAL INCOME, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Personal income	Wage and salary disbursements[1]							Other labor income[1]	Proprietors' income with inventory valuation and capital consumption adjustments	
		Total	Commodity-producing industries		Distributive industries	Service industries	Government and government enterprises			Farm	Nonfarm
			Total	Manufacturing							
1970	811.1	548.7	203.0	158.2	130.3	98.3	117.1		32.5	14.3	51.9
1971	868.4	580.9	208.3	160.3	139.4	106.7	126.5		36.7	15.0	54.4
1972	951.4	635.2	227.3	175.4	152.1	118.2	137.5		43.0	18.7	58.1
1973	1,065.2	702.7	254.3	196.2	168.3	131.3	148.7		48.8	32.8	61.0
1974	1,168.6	765.7	274.7	211.4	184.6	145.6	160.9		55.8	26.5	62.2
1975	1,265.0	806.4	275.0	211.0	195.6	159.7	176.1		64.5	24.6	65.4
1976	1,391.2	889.9	307.3	237.4	216.6	177.4	188.7		75.9	19.1	75.0
1977	1,540.4	983.2	343.6	266.0	239.5	197.7	202.4		89.4	19.1	84.8
1978	1,732.7	1,106.3	389.4	299.2	270.7	226.6	219.5		102.5	26.3	92.2
1979	1,951.2	1,237.6	438.4	333.9	303.4	259.7	236.2		114.9	31.9	100.2
1980	2,160.4	1,356.1	468.0	354.4	330.5	297.4	260.2		127.2	19.4	96.9
1981	2,415.8	1,493.9	510.8	386.4	361.4	338.6	283.1		140.4	24.0	100.7
1982p	2,569.7	1,560.1	509.9	382.6	375.7	372.3	302.3		153.8	18.6	101.4
1980:											
I	2,086.8	1,319.7	462.7	350.3	323.2	283.4	250.4		123.2	22.1	100.5
II	2,109.6	1,332.1	458.6	347.0	324.9	292.0	256.6		125.9	15.9	93.0
III	2,185.3	1,360.5	465.6	352.8	331.9	301.4	261.6		128.4	20.3	95.1
IV	2,260.0	1,412.2	485.1	367.7	341.9	313.1	272.2		131.5	19.2	98.8
1981:											
I	2,330.0	1,452.8	499.2	377.0	352.1	325.2	276.2		135.3	21.6	101.8
II	2,380.6	1,479.4	507.2	386.9	358.7	333.7	279.8		138.4	22.5	101.2
III	2,458.2	1,512.3	519.3	392.9	366.5	342.8	283.8		142.2	27.1	100.4
IV	2,494.6	1,531.2	517.7	388.7	368.3	352.8	292.4		145.8	24.6	99.5
1982:											
I	2,510.5	1,541.6	514.3	385.1	371.4	359.5	296.5		149.1	17.8	98.6
II	2,552.7	1,556.6	513.6	385.6	375.4	367.6	300.0		152.5	17.4	99.9
III	2,592.5	1,570.0	510.2	383.8	378.4	377.8	303.5		155.5	16.6	101.7
IVp	2,623.2	1,572.3	501.4	375.8	377.4	384.3	309.1		157.9	22.6	105.5

[1] The total of wage and salary disbursements and other labor income excludes employer contributions for social insurance and the excess of wage accruals over wage disbursements.

P—preliminary

SOURCES OF PERSONAL INCOME, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Rental income of persons with capital consumption adjustment	Personal dividend income	Personal interest income	Transfer payments							Less: Personal contributions for social insurance	Nonfarm personal income[2]
				Total	Old-age, survivors, disability, and health insurance benefits	Government unemployment insurance benefits	Veterans benefits	Government employee retirement benefits	Aid to families with dependent children (AFDC)	Other		
1929	4.9	5.8	6.9	1.5	....	....	.6	.1	.8		.1	....
1933	2.2	2.0	5.5	2.1	....	....	.6	.2	1.4		.2	....
1939	2.6	3.8	5.4	3.0	.0	.4	.5	.3	1.7		.6	....
1940	2.7	4.0	5.3	3.1	.0	.5	.5	.3	1.7		.7	....
1941	3.1	4.4	5.3	3.1	.1	.4	.5	.3	1.8		.8	....
1942	4.0	4.3	5.2	3.1	.1	.4	.5	.3	1.8		1.2	....
1943	4.4	4.4	5.1	3.0	.2	.1	.5	.4	1.8		1.8	....
1944	4.5	4.6	5.2	3.6	.2	.1	1.0	.4	2.0		2.2	....
1945	4.6	4.6	5.9	6.2	.3	.4	3.0	.5	2.0		2.3	....
1946	5.5	5.6	6.6	11.3	.4	1.1	7.0	.7	2.1		2.0	159.9
1947	5.3	6.3	7.6	11.7	.5	.8	7.0	.7	.3	2.5	2.1	171.9
1948	5.7	7.0	8.1	11.3	.6	.9	5.9	.7	.4	2.9	2.2	188.2
1949	6.1	7.2	8.7	12.5	.7	1.9	5.3	.9	.5	3.3	2.2	190.4
1950	7.1	8.8	9.7	15.2	1.0	1.5	7.7	1.0	.6	3.5	2.9	210.2
1951	7.7	8.5	10.5	12.6	1.9	.9	4.6	1.1	.6	3.6	3.4	235.4
1952	8.8	8.5	11.2	13.1	2.2	1.1	4.3	1.2	.5	3.8	3.8	253.1
1953	10.0	8.8	12.5	14.1	3.0	1.0	4.1	1.4	.5	4.1	4.0	271.3
1954	11.0	9.1	13.7	16.2	3.6	2.2	4.2	1.5	.6	4.1	4.6	273.9
1955	11.3	10.3	14.9	17.5	4.9	1.5	4.4	1.7	.6	4.3	5.2	295.5
1956	11.6	11.1	16.7	18.7	5.7	1.5	4.4	1.9	.6	4.5	5.8	318.0
1957	12.2	11.5	18.8	21.6	7.3	1.9	4.5	2.2	.7	4.9	6.7	336.6
1958	12.9	11.3	20.3	25.9	8.5	4.1	4.7	2.5	.8	5.3	6.9	344.4
1959	13.6	12.2	22.5	27.0	10.2	2.8	4.6	2.8	.9	5.8	7.9	369.8
1960	14.5	12.9	25.0	28.9	11.1	3.0	4.6	3.1	1.0	6.2	9.3	386.7
1961	15.0	13.3	26.4	32.8	12.6	4.3	5.0	3.4	1.1	6.4	9.7	401.6
1962	15.8	14.4	29.0	33.8	14.3	3.1	4.7	3.7	1.3	6.7	10.3	427.1
1963	16.5	15.5	32.2	35.8	15.2	3.0	4.8	4.2	1.4	7.3	11.8	449.7
1964	17.1	17.3	35.6	37.4	16.0	2.7	4.7	4.7	1.5	7.8	12.6	483.7
1965	18.0	19.1	39.7	40.4	18.1	2.3	4.9	5.2	1.7	8.3	13.3	522.6
1966	18.7	19.4	44.4	44.7	20.8	1.9	4.9	6.1	1.9	9.2	17.8	568.9
1967	19.7	20.2	48.3	52.6	25.5	2.2	5.6	6.9	2.3	10.2	20.6	611.9
1968	19.5	21.9	53.4	59.8	30.2	2.1	5.9	7.6	2.8	11.1	22.9	672.1
1969	19.6	22.4	61.1	66.7	32.9	2.2	6.7	8.7	3.5	12.5	26.2	733.9

[2] Personal income exclusive of farm proprietors' income, farm wages, farm other labor income, and farm net interest.

Note—The industry classification of wage and salary disbursements and proprietors' income is on an establishment basis and is based on the 1972 Standard Industrial Classification (SIC) beginning 1948 on the 1942 SIC prior to 1948.

SOURCES OF PERSONAL INCOME, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

				Transfer payments								
Year or quarter:	Rental income of persons with capital consumption adjustment	Personal dividend income	Personal interest income	Total	Old-age, survivors, disability, and health insurance benefits	Government unemployment insurance benefits	Veterans benefits	Government employee retirement benefits	Aid to families with dependent children (AFDC)	Other	Less: Personal contributions for social insurance	Nonfarm personal income^2
1970	19.7	22.2	69.4	80.1	38.5	4.0	7.7	10.2	4.8	15.0	27.9	790.0
1971	20.2	22.6	74.8	94.4	44.5	5.8	8.8	11.8	6.2	17.4	30.7	846.5
1972	21.0	24.1	80.9	104.7	49.6	5.7	9.7	13.8	6.9	19.0	34.5	925.3
1973	22.6	26.5	93.9	119.5	60.4	4.4	10.4	16.0	7.2	21.1	42.6	1,023.7
1974	23.5	29.1	112.4	141.2	70.1	6.8	11.8	19.0	7.9	25.6	47.9	1,131.8
1975	23.0	29.9	123.2	178.3	81.4	17.6	14.5	22.7	9.2	32.8	50.4	1,229.1
1976	23.5	36.5	132.5	194.3	92.9	15.8	14.4	26.1	10.1	35.1	55.5	1,359.3
1977	24.8	39.6	152.8	207.9	104.9	12.7	13.8	29.0	10.6	36.9	61.1	1,506.5
1978	26.6	45.3	179.4	223.8	116.2	9.7	13.9	32.7	10.7	40.7	69.8	1,689.7
1979	27.9	50.8	218.7	250.3	131.8	9.8	14.4	36.9	11.0	46.3	81.1	1,899.3
1980	32.9	55.9	263.4	297.2	154.2	16.1	15.0	43.0	12.4	56.6	88.7	2,117.3
1981	33.9	62.5	329.0	336.3	182.0	15.4	16.1	49.2	13.4	60.3	104.9	2,364.1
1982^p	34.1	67.0	371.8	374.5	204.5	24.9	16.3	54.0	13.1	61.6	111.7	2,518.9
1980:												
I	30.8	54.1	249.1	274.2	142.1	11.8	14.8	40.1	11.7	53.6	86.9	2,042.2
II	32.7	55.7	258.0	283.2	144.7	15.9	14.6	42.3	12.1	53.5	86.9	2,070.3
III	33.8	56.5	266.4	313.4	163.4	18.7	14.9	43.4	12.8	60.2	89.1	2,140.9
IV	34.2	57.4	280.2	318.2	166.4	18.0	15.7	46.0	13.0	59.1	91.8	2,216.0
1981:												
I	34.4	59.2	304.7	322.8	171.0	15.7	16.0	47.2	13.1	59.8	102.5	2,282.5
II	34.0	61.5	320.6	327.0	173.7	15.1	15.9	49.1	13.4	59.8	104.1	2,330.9
III	33.6	64.1	339.6	344.8	190.6	14.1	16.0	49.6	13.5	61.0	106.1	2.402.6
IV	33.6	65.2	351.0	350.7	192.8	16.7	16.4	50.8	13.4	60.6	107.0	2,440.3
1982:												
I	33.9	65.8	359.7	354.6	194.7	18.7	16.3	51.5	13.2	60.1	110.6	2,461.6
II	34.2	66.1	372.0	365.2	197.5	23.5	16.1	54.4	13.2	60.6	111.4	2,503.2
III	34.6	67.2	378.2	381.0	209.2	25.5	16.3	54.9	13.0	62.1	112.4	2,543.3
IV^p	33.9	68.8	377.2	397.2	216.6	31.8	16.6	55.3	13.1	63.8	112.4	2,567.6

[2] Personal income exclusive of farm proprietors' income, farm wages, farm other labor income, and farm net interest.

Note—The industry classification of wage and salary disbursements and proprietors' income is on an establishment basis and is based on the 1972 Standard Industrial Classification (SIC) beginning 1948 on the 1942 SIC prior to 1948.

P—preliminary

DISPOSITION OF PERSONAL INCOME, 1929-82

[Billions of dollars, except as noted; quarterly data at seasonally adjusted annual rates]

				Less: Personal outlays					Percent of disposable personal income		
									Personal outlays		
Year or quarter:	Personal income	Less: Personal tax and nontax payments	Equals: Disposable personal income	Total	Personal consumption expenditures	Interest paid by consumers to business	Personal transfer payments to foreigners (net)	Equals: Personal saving	Total	Personal Consumption expenditures	Personal saving
1929	85.0	2.6	82.4	79.1	77.3	1.5	0.3	3.3	96.0	93.8	4.0
1933	47.0	1.4	45.6	46.5	45.8	.5	.2	−0.9	102.0	100.5	−2.0
1939	72.4	2.4	70.0	67.8	67.0	.7	.2	2.2	96.9	95.6	3.1
1940	77.9	2.6	75.3	72.0	71.0	.8	.2	3.4	95.5	94.2	4.5
1941	95.4	3.3	92.2	81.8	80.8	.9	.2	10.3	88.8	87.6	11.2
1942	122.6	5.9	116.6	89.4	88.6	.7	.1	27.2	76.7	76.0	23.3
1943	150.8	17.8	133.0	100.1	99.4	.5	.2	32.9	75.3	74.7	24.7
1944	164.5	18.9	145.6	109.0	108.2	.5	.4	36.6	74.8	74.3	25.2
1945	170.0	20.8	149.1	120.4	119.5	.5	.5	28.7	80.8	80.1	19.2
1946	177.6	18.7	158.9	145.2	143.8	.7	.7	13.7	91.4	90.5	8.6
1947	190.1	21.4	168.7	163.5	161.7	1.0	.7	5.2	96.9	95.9	3.1
1948	209.0	21.0	188.0	176.9	174.7	1.4	.7	11.1	94.1	93.0	5.9
1949	206.4	18.5	187.9	180.4	178.1	1.7	.5	7.5	96.0	94.8	4.0
1950	227.2	20.6	206.6	194.7	192.0	2.3	.4	11.9	94.2	92.9	5.8
1951	254.9	28.9	226.0	210.0	207.1	2.5	.4	16.1	92.9	91.6	7.1
1952	271.8	34.0	237.7	220.4	217.1	2.9	.4	17.4	92.7	91.3	7.3
1953	287.7	35.5	252.2	233.7	229.7	3.6	.5	18.5	92.7	91.1	7.3
1954	289.6	32.5	257.1	240.1	235.8	3.8	.5	17.0	93.4	91.7	6.6
1955	310.3	35.4	275.0	258.5	253.7	4.4	.4	16.4	94.0	92.3	6.0
1956	332.6	39.7	292.9	271.6	266.0	5.1	.5	21.3	92.7	90.8	7.3
1957	351.0	42.4	308.6	286.4	280.4	5.5	.5	22.3	92.8	90.9	7.2
1958	361.1	42.1	319.0	295.4	289.5	5.6	.4	23.6	92.6	90.7	7.4
1959	384.4	46.0	338.4	317.3	310.8	6.1	.4	21.1	93.8	91.8	6.2
1960	402.3	50.4	352.0	332.3	324.9	7.0	.4	19.7	94.4	92.3	5.6
1961	417.8	52.1	365.8	342.7	335.0	7.3	.4	23.0	93.7	91.6	6.3
1962	443.6	56.8	386.8	363.5	355.2	7.8	.5	23.3	94.0	91.8	6.0
1963	466.2	60.3	405.9	384.0	374.6	8.8	.6	21.9	94.6	92.3	5.4
1964	499.2	58.6	440.6	411.0	400.5	9.9	.6	29.6	93.3	90.9	6.7
1965	540.7	64.9	475.8	442.1	430.4	11.1	.7	33.7	92.9	90.5	7.1
1966	588.2	74.5	513.7	477.7	465.1	12.0	.7	36.0	93.0	90.5	7.0
1967	630.0	82.1	547.9	503.6	490.3	12.5	.9	44.3	91.9	89.5	8.1
1968	690.6	97.2	593.4	551.5	536.9	13.8	.8	41.9	92.9	90.5	7.1
1969	754.7	115.7	638.9	598.3	581.8	15.6	.9	40.6	93.6	91.1	6.4

DISPOSITION OF PERSONAL INCOME, 1929-82

[Billions of dollars, except as noted; quarterly data at seasonally adjusted annual rates]

Year or quarter:	Personal income	Less: Personal tax and nontax payments	Equals: Disposable personal income	Less: Personal outlays				Equals: Personal saving	Percent of disposable personal income		
				Total	Personal consumption expenditures	Interest paid by consumers to business	Personal transfer payments to foreigners (net)		Personal outlays		Personal saving
									Total	Personal Consumption expenditures	
1970	811.1	115.8	695.3	639.5	621.7	16.7	1.1	55.8	92.0	89.4	8.0
1971	868.4	116.7	751.8	691.1	672.2	17.7	1.1	60.7	91.9	89.4	8.1
1972	951.4	141.0	810.3	757.7	737.1	19.5	1.1	52.6	93.5	91.0	6.5
1973	1,065.2	150.7	914.5	835.5	812.0	22.3	1.3	79.0	91.4	88.8	8.6
1974	1,168.6	170.2	998.3	913.2	888.1	24.1	1.0	85.1	91.5	89.0	8.5
1975	1,265.0	168.9	1,096.1	1,001.8	976.4	24.4	.9	94.3	91.4	89.1	8.6
1976	1,391.2	196.8	1,194.4	1,111.9	1,084.3	26.7	.9	82.5	93.1	90.8	6.9
1977	1,540.4	226.4	1,314.0	1,236.0	1,204.4	30.7	.9	78.0	94.1	91.7	5.9
1978	1,732.7	258.7	1,474.0	1,384.6	1,346.5	37.4	.8	89.4	93.9	91.3	6.1
1979	1,951.2	301.0	1,650.2	1,553.5	1,507.2	45.5	.8	96.7	94.1	91.3	5.9
1980	2,160.4	336.3	1,824.1	1,717.9	1,667.2	49.9	.8	106.2	94.2	91.4	5.8
1981	2,415.8	386.7	2,029.1	1,898.9	1,843.2	55.1	.6	130.2	93.6	90.8	6.4
1982^p	2,569.7	397.2	2,172.5	2,031.4	1,972.0	58.6	.9	141.1	93.5	90.8	6.5
1980:											
I	2,086.8	319.9	1,766.9	1,669.1	1,618.7	49.6	.7	97.9	94.5	91.6	5.5
II	2,109.6	328.6	1,781.0	1,672.4	1,622.2	49.4	.7	108.6	93.9	91.1	6.1
III	2,185.3	339.7	1,845.5	1,732.5	1,682.2	49.7	.8	113.1	93.9	91.1	6.1
IV	2,260.0	357.1	1,902.9	1,797.6	1,745.8	50.8	.9	105.3	94.5	91.7	5.5
1981:											
I	2,330.0	371.2	1,958.7	1,852.8	1,799.9	52.4	.5	105.9	94.6	91.9	5.4
II	2,380.6	384.2	1,996.5	1,874.5	1,819.4	54.4	.8	122.0	93.9	91.1	6.1
III	2,458.2	398.1	2,060.0	1,925.7	1,868.8	56.2	.7	134.4	93.5	90.7	6.5
IV	2,494.6	393.2	2,101.4	1,942.7	1,884.5	57.5	.7	158.6	92.5	89.7	7.5
1982:											
I	2,510.5	393.4	2,117.1	1,977.9	1,919.4	57.8	.8	139.1	93.4	90.7	6.6
II	2,552.7	401.2	2,151.5	2,007.2	1,947.8	58.4	.9	144.3	93.3	90.5	6.7
III	2,592.5	394.4	2,198.1	2,046.1	1,986.3	59.0	.8	152.0	93.1	90.4	6.9
IV^p	2,623.2	399.7	2,223.5	2,094.6	2,034.6	59.1	.9	128.9	94.2	91.5	5.8

P—preliminary

POPULATION BY AGE GROUPS, 1929-82

[Thousands of persons]

July 1	Total	Age (years)						
		Under 5	5-15	16-19	20-24	25-44	45-64	65 and over
1929.....	121,767	11,734	26,800	9,127	10,694	35,862	21,076	6,474
1933.....	125,579	10,612	26,897	9,302	11,152	37,319	22,933	7,363
1939.....	130,880	10,418	25,179	9,822	11,519	39,354	25,823	8,764
1940.....	132,122	10,579	24,811	9,895	11,690	39,868	26,249	9,031
1941.....	133,402	10,850	24,516	9,840	11,807	40,383	26,718	9,288
1942.....	134,860	11,301	24,231	9,730	11,955	40,861	27,196	9,584
1943.....	136,739	12,016	24,093	9,607	12,064	41,420	27,671	9,867
1944.....	138,397	12,524	23,949	9,561	12,062	42,016	28,138	10,147
1945.....	139,928	12,979	23,907	9,361	12,036	42,521	28,630	10,494
1946.....	141,389	13,244	24,103	9,119	12,004	43,027	29,064	10,828
1947.....	144,126	14,406	24,468	9,097	11,814	43,657	29,498	11,185
1948.....	146,631	14,919	25,209	8,952	11,794	44,288	29,931	11,538
1949.....	149,188	15,607	25,852	8,788	11,700	44,916	30,405	11,921
1950.....	152,271	16,410	26,721	8,542	11,680	45,672	30,849	12,397
1951.....	154,878	17,333	27,279	8,446	11,552	46,103	31,362	12,803
1952.....	157,553	17,312	28,894	8,414	11,350	46,495	31,884	13,203
1953.....	160,184	17,638	30,227	8,460	11,062	46,786	32,394	13,617
1954.....	163,026	18,057	31,480	8,637	10,832	47,001	32,942	14,076
1955.....	165,931	18,566	32,682	8,744	10,714	47,194	33,506	14,525
1956.....	168,903	19,003	33,994	8,916	10,616	47,379	34,057	14,938
1957.....	171,984	19,494	35,272	9,195	10,603	47,440	34,591	15,388
1958.....	174,882	19,887	36,445	9,543	10,756	47,337	35,109	15,806
1959.....	177,830	20,175	37,368	10,215	10,969	47,192	35,663	16,248

POPULATION BY AGE GROUPS, 1929-82

[Thousands of persons]

July 1	Total	Age (years)						
		Under 5	5-15	16-19	20-24	25-44	45-64	65 and over
1960.....	180,671	20,341	38,494	10,683	11,134	47,140	36,203	16,675
1961.....	183,691	20,522	39,765	11,025	11,483	47,084	36,722	17,089
1962.....	186,538	20,469	41,205	11,180	11,959	47,013	37,255	17,457
1963.....	189,242	20,342	41,626	12,007	12,714	46,994	37,782	17,778
1964.....	191,889	20,165	42,297	12,736	13,269	46,958	38,338	18,127
1965.....	194,303	19,824	42,938	13,516	13,746	46,912	38,916	18,451
1966.....	196,560	19,208	43,702	14,311	14,050	47,001	39,534	18,755
1967.....	198,712	18,563	44,244	14,200	15,248	47,194	40,193	19,071
1968.....	200,706	17,913	44,622	14,452	15,786	47,721	40,846	19,365
1969.....	202,677	17,376	44,840	14,800	16,480	48,064	41,437	19,680
1970.....	205,052	17,166	44,816	15,289	17,202	48,473	41,999	20,107
1971.....	207,661	17,244	44,591	15,688	18,159	48,936	42,482	20,561
1972.....	209,896	17,101	44,203	16,039	18,153	50,482	42,898	21,020
1973.....	211,909	16,851	43,582	16,446	18,521	51,749	43,235	21,525
1974.....	213,854	16,487	42,989	16,769	18,975	53,051	43,522	22,061
1975.....	215,973	16,121	42,508	17,017	19,527	54,302	43,801	22,696
1976.....	218,035	15,617	42,099	17,194	19,986	55,852	44,008	23,278
1977.....	220,239	15,564	41,298	17,276	20,499	57,561	44,150	23,892
1978.....	222,585	15,735	40,428	17,288	20,946	59,400	44,286	24,502
1979.....	225,055	16,063	39,552	17,242	21,297	61,379	44,390	25,134
1980.....	227,658	16,448	38,814	17,131	21,605	63,465	44,487	25,708
1981.....	229,807	16,939	38,040	16,679	21,938	65,487	44,471	26,253
1982.....	231,990	.....	.....	.....	.....	.....	.....	.....

Note.—Includes Armed Forces overseas beginning 1940. Includes Alaska and Hawaii beginning 1950.

NONINSTITUTIONAL POPULATION AND THE LABOR FORCE, 1929-82

[Monthly data seasonally adjusted, except as noted]

			Civilian labor force						Civilian labor force participation rate[2]		
				Employment							
Year or month	Noninstitutional population[1]	Armed Forces[1]	Total	Total	Agricultural	Nonagricultural	Unemployment	Unemployment rate (percent of civilian labor force)	Total	Males	Females
	Thousands of persons 14 years of age and over							Percent			
1929	....	260	49,180	47,630	10,450	37,180	1,550	3.2	....	....	....
1933	....	250	51,590	38,760	10,090	28,670	12,830	24.9	....	....	....
1939	....	370	55,230	45,750	9,610	36,140	9,480	17.2	....	....	....
1940	100,380	540	55,640	47,520	9,540	37,980	8,120	14.6	55.7	83.7	28.2
1941	101,520	1,620	55,910	50,350	9.100	41,250	5,560	9.9	56.0	84.3	28.7
1942	102,610	3,970	56,410	53,750	9,250	44,500	2,660	4.7	57.2	85.6	31.3
1943	103,660	9,020	55,540	54,470	9,080	45,390	1,070	1.9	58.7	86.4	36.0
1944	104,630	11,410	54,630	53,960	8,950	45,010	670	1.2	58.6	87.0	36.5
1945	105,530	11,440	53,860	52,820	8,580	44,240	1,040	1.9	57.2	84.8	35.9
1946	106,520	3,450	57,520	55,250	8,320	46,930	2,270	3.9	55.8	82.6	31.2
1947	107,608	1,590	60,168	57,812	8,256	49,557	2,356	3.9	56.8	84.0	31.0
	Thousands of persons 16 years of age and over										
1947	103,418	1,591	59,350	57,038	7,890	49,148	2,311	3.9	58.3	86.4	31.8
1948	104,527	1,456	60,621	58,343	7,629	50,714	2,276	3.8	58.8	86.6	32.7
1949	105,611	1,616	61,286	57,651	7,658	49,993	3,637	5.9	58.9	86.4	33.1
1950	106,645	1,649	62,208	58,918	7,160	51,758	3,288	5.3	59.2	86.4	33.9
1951	107,721	3,098	62,017	59,961	6,726	53,235	2,055	3.3	59.3	86.5	34.6
1952	108,823	3,593	62,138	60,250	6,500	53,749	1,883	3.0	59.0	86.3	34.7
1953[3]	110,601	3,547	63,015	61,179	6,260	54,919	1,834	2.9	58.9	86.0	34.4
1954	111,671	3,350	63,643	60,109	6,205	53,904	3,532	5.5	58.8	85.5	34.6
1955	112,732	3,048	65,023	62,170	6,450	55,722	2,852	4.4	59.3	85.3	35.7
1956	113,811	2,856	66,552	63,799	6,283	57,514	2,750	4.1	60.0	85.5	36.9
1957	115,065	2,799	66,929	64,071	5,947	58,123	2,859	4.3	59.6	84.8	36.9
1958	116,363	2,636	67,639	63,036	5,586	57,450	4,602	6.8	59.5	84.2	37.1
1959	117,881	2,551	68,369	64,630	5,565	59,065	3,740	5.5	59.3	83.7	37.1
1960[3]	119,759	2,514	69,628	65,778	5,458	60,318	3,852	5.5	59.4	83.3	37.7
1961	121,343	2,572	70,459	65,746	5,200	60,546	4,714	6.7	59.3	82.9	38.1
1962[3]	122,981	2,827	70,614	66,702	4,944	61,759	3,911	5.5	58.8	82.0	37.9
1963	125,154	2,737	71,833	67,762	4,687	63,076	4,070	5.7	58.7	81.4	38.3
1964	127,224	2,738	73,091	69,305	4,523	64,782	3,786	5.2	58.7	81.0	38.7
1965	129,236	2,722	74,455	71,088	4,361	66,726	3,366	4.5	58.9	80.7	39.3
1966	131,180	3,122	75,770	72,895	3,979	68,915	2,875	3.8	59.2	80.4	40.3
1967	133,319	3,446	77,347	74,372	3,844	70,527	2,975	3.8	59.6	80.4	41.1
1968	135,562	3,534	78,737	75,920	3,817	72,103	2,817	3.6	59.6	80.1	41.6

NONINSTITUTIONAL POPULATION AND THE LABOR FORCE, 1929-82

[Monthly data seasonally adjusted, except as noted]

			Civilian labor force						Civilian labor force participation rate[2]		
				Employment							
Year or month	Noninstitutional population[1]	Armed Forces[1]	Total	Total	Agricultural	Nonagricultural	Unemployment	Unemployment rate (percent of civilian labor force)	Total	Males	Females
	Thousands of persons 14 years of age and over							Percent			
1969	137,841	3,506	80,734	77,902	3,606	74,296	2,832	3.5	60.1	79.8	42.7
1970	140,272	3,188	82,771	78,678	3,463	75,215	4,093	4.9	60.4	79.7	43.3
1971	143,033	2,816	84,382	79,367	3,394	75,972	5,016	5.9	60.2	79.1	43.4
1972[3]	146,574	2,449	87,034	82,153	3,484	78,669	4,882	5.6	60.4	78.9	43.9
1973[3]	149,423	2,326	89,429	85,064	3,470	81,594	4,365	4.9	60.8	78.8	44.7
1974	152,349	2,229	91,949	86,794	3,515	83,279	5,156	5.6	61.3	78.7	45.7
1975	153,333	2,180	93,775	85,846	3,408	82,438	7,929	8.5	61.2	77.9	46.3
1976	158,294	2,144	96,158	88,752	3,331	85,421	7,406	7.7	61.6	77.5	47.3
1977	161,166	2,133	99,009	92,017	3,283	88,734	6,991	7.1	62.3	77.7	48.4
1978[3]	164,027	2,117	102,251	96,048	3,387	92,661	6,202	6.1	63.2	77.9	50.0
1979	166,951	2,088	104,962	98,824	3,347	95,477	6,137	5.8	63.7	77.8	50.9
1980	169,848	2,102	106,940	99,303	3,364	95,938	7,637	7.1	63.8	77.4	51.5
1981	172,272	2,142	108,670	100,397	3,368	97,030	8,273	7.6	63.9	77.0	52.1
1982	174,451	2,179	110,204	99,526	3,401	96,125	10,678	9.7	64.0	76.6	52.6

NONINSTITUTIONAL POPULATION AND THE LABOR FORCE, 1929-82

[Monthly data seasonally adjusted, except as noted]

			Civilian labor force						Civilian labor force participation rate[2]		
				Employment							
Year or month	Noninstitutional population[1]	Armed Forces[1]	Total	Total	Agricultural	Nonagricultural	Unemployment	Unemployment rate (percent of civilian labor force)	Total	Males	Females
	Thousands of persons 16 years of age and over							Percent			
1980:											
Jan.....	168,625	2,081	106,546	99,872	3,313	96,559	6,674	6.3	64.0	77.7	51.6
Feb.....	168,846	2,086	106,637	99,963	3,387	96,576	6,674	6.3	63.9	77.8	51.5
Mar....	169,073	2,090	106,394	99,677	3,412	96,265	6,717	6.3	63.7	77.5	51.3
Apr.....	169,289	2,092	106,552	99,204	3,318	95,886	7,348	6.9	63.7	77.4	51.4
May....	169,494	2,088	106,892	98,922	3,385	95,537	7,970	7.5	63.9	77.6	51.5
June....	169,735	2,092	106,832	98,769	3,309	95,460	8,063	7.5	63.7	77.5	51.4
July....	170,030	2,099	107,169	98,816	3,331	95,485	8,353	7.8	63.8	77.5	51.5
Aug.....	170,217	2,114	107,169	98,829	3,247	95,582	8,287	7.7	63.7	77.3	51.5
Sept....	170,419	2,121	107,148	99,104	3,448	95,656	8,044	7.5	63.7	77.3	51.4
Oct.....	170,624	2,121	107,438	99,327	3,362	95.965	8,111	7.5	63.8	77.3	51.6
Nov....	170,814	2,119	107,596	99,567	3,387	96,180	8,029	7.5	63.8	77.3	51.6
Dec....	171,007	2,124	107,446	99,650	3,486	96,164	7,796	7.3	63.6	77.0	51.6
1981:											
Jan.....	171,229	2,125	108,012	99,964	3,420	96,544	8,048	7.5	63.9	77.3	51.8
Feb....	171,400	2,121	108,175	100,143	3,340	96,803	8,032	7.4	63.9	77.2	52.0
Mar....	171,581	2,128	108,471	100,504	3,356	97,148	7,967	7.3	64.0	77.3	52.1
Apr.....	171,770	2,129	108,866	101,006	3,519	97,487	7,860	7.2	64.2	77.4	52.3
May....	171,956	2,127	109,101	100,968	3,371	97,597	8,133	7.5	64.2	77.4	52.4
June....	172,172	2,131	108,440	100,393	3,360	97,003	8,047	7.4	63.8	76.7	52.1
July....	172,385	2,139	108,602	100,748	3,320	97,428	7,854	7.2	63.8	76.8	52.1
Aug....	172,559	2,160	108,762	100,709	3,396	97,313	8,053	7.4	63.8	76.9	52.1
Sept....	172,758	2,165	108,375	100,104	3,358	96,746	8,271	7.6	63.5	76.7	51.7
Oct.....	172,966	2,158	109,028	100,355	3,374	96,981	8,673	8.0	63.8	76.7	52.2
Nov....	173,155	2,158	109,254	100,229	3,389	96,840	9,025	8.3	63.9	76.8	52.3
Dec....	173,330	2,164	109,066	99,677	3,219	96,458	9,389	8.6	63.7	76.7	52.0

NONINSTITUTIONAL POPULATION AND THE LABOR FORCE, 1929-82

[Monthly data seasonally adjusted, except as noted]

Year or month	Noninstitutional population[1]	Armed Forces[1]	Civilian labor force					Unemployment rate (percent of civilian labor force)	Civilian labor force participation rate[2]		
			Total	Employment			Unemployment		Total	Males	Females
				Total	Agricultural	Nonagricultural					
	Thousands of persons 16 years of age and over							Percent			
1982:											
Jan	173,495	2,159	109,034	99,688	3,379	96,309	9,346	8.6	63.6	76.5	52.1
Feb	173,657	2,168	109,364	99,695	3,367	96,328	9,669	8.8	63.8	76.6	52.3
Mar	173,843	2,175	109,478	99,597	3,367	96,230	9,881	9.0	63.8	76.5	52.3
Apr	174,020	2,176	109,740	99,464	3,356	96,128	10,256	9.3	63.9	76.6	52.4
May	174,201	2,175	110,378	99,994	3,446	96,548	10,384	9.4	64.2	77.0	52.7
June	174,364	2,173	110,147	99,681	3,371	96,310	10,466	9.5	64.0	76.5	52.7
July	174,544	2,180	110,416	99,588	3,445	96,143	10,828	9.8	64.1	76.5	52.9
Aug	174,707	2,196	110,614	99,683	3,429	96,254	10,931	9.9	64.1	76.6	52.9
Sept	174,889	2,198	110,858	99,543	3,363	96,180	11,315	10.2	64.2	76.8	52.8
Oct	175,069	2,188	110,752	99,176	3,413	95,763	11,576	10.5	64.1	76.7	52.7
Nov	175,238	2,180	111,042	99,136	3,466	95,670	11,906	10.7	64.2	76.8	52.8
Dec	175,380	2,182	111,129	99,093	3,411	95,682	12,036	10.8	64.2	76.6	53.0

[1] Not seasonally adjusted.

[2] Civilian labor force as percent of civilian noninstiutional population.

[3] Not strictly comparable with earlier data due to population adjustments as follows: Beginning 1953, introduction of 1950 census data added about 600,000 to population and about 350,000 to labor force, total employment, and agricultural employment. Beginning 1960, inclusion of Alaska and Hawaii added about 500,000 to population, about 300,000 to labor force, and about 240,000 to nonagricultural employment. Beginning 1962, introduction of 1960 census data reduced populaion by about 50,000 and labor force and employment by about 200,000. Beginning 1972, introducton of 1970 census data added about 800,000 to civilian noninstitutional population and about 333,00 to labor force and employment. A subsequent adjustment based on 1970 census in March 1973 added 60,000 to labor force and to employment. Beginning 1978, changes in sampling and estimation procedures introduced into the household survey added about 250,000 to labor force and to employment. Unemployment levels and rates were not significantly affected.

CIVILIAN EMPLOYMENT AND UNEMPLOYMENT BY SEX AND AGE, 1947-82

[Thousands of persons 16 years of age and over; monthly data seasonally adjusted]

	Civilian employment							Unemployment						
		Males			Females				Males			Females		
Year or month:	Total	Total	16-19 years	20- years and over	Total	16-19 years	20 years and over	Total	Total	16-19 years	20 years and over	Total	16-19 years	20 years and over
1947	57,038	40,995	2,218	38,776	16,045	1,691	14,354	2,311	1,692	270	1,422	619	144	475
1948	58,343	41,725	2,344	39,382	16,617	1,682	14,936	2,276	1,559	256	1,305	717	153	564
1949	57,651	40,925	2,124	38,803	16,723	1,588	15,137	3,637	2,572	353	2,219	1,065	223	841
1950	58,918	41,578	2,186	39,394	17,340	1,517	15,824	3,288	2,239	316	1,922	1,049	195	854
1951	59,961	41,780	2,156	39,626	18,181	1,611	16,570	2,055	1,221	191	1,029	834	145	689
1952	60,250	41,682	2,107	39,578	18,568	1,612	16,958	1,883	1,185	205	980	698	140	559
1953	61,179	42,430	2,136	40,295	18,749	1,584	17,164	1,834	1,202	184	1,019	632	123	510
1954	60,109	41,619	1,985	39,634	18,490	1,490	17,000	3,532	2,344	310	2,035	1,188	191	997
1955	62,170	42,621	2,095	40,526	19,551	1,547	18,002	2,852	1,854	274	1,580	998	176	823
1956	63,799	43,379	2,164	41,216	20,419	1,654	18,767	2,750	1,711	269	1,442	1,039	209	832
1957	64,071	43,357	2,115	41,239	20,714	1,663	19,052	2,859	1,841	300	1,541	1,018	197	821
1958	63,036	42,423	2,012	40,411	20,613	1,570	19,043	4,602	3,098	416	2,681	1,504	262	1,242
1959	64,630	43,466	2,198	41,267	21,164	1,640	19,524	3,740	2,420	398	2,022	1,320	256	1,063
1960[1]	65,778	43,904	2,361	41,543	21,874	1,768	20,105	3,852	2,486	426	2,060	1,366	286	1,080
1961	65,746	43,656	2,315	41,342	22,090	1,793	20,296	4,714	2,997	479	2,518	1,717	349	1,368
1962[1]	66,702	44,177	2,362	41,815	22,525	1,833	20,693	3,911	2,423	408	2,016	1,488	313	1,175
1963	67,762	44,657	2,406	42,251	23,105	1,849	21,257	4,070	2,472	501	1,971	1,598	383	1,216
1964	69,305	45,474	2,587	42,886	23,831	1,929	21,903	3,786	2,205	487	1,718	1,581	385	1,195
1965	71,088	46,340	2,918	43,422	24,748	2,118	22,630	3,366	1,914	479	1,435	1,452	395	1,056
1966	72,895	46,919	3,253	43,668	25,976	2,468	23,510	2,875	1,551	432	1,120	1,324	405	921
1967	74,372	47,479	3,186	44,294	26,893	2,496	24,397	2,975	1,508	448	1,060	1,468	391	1,078
1968	75,920	48,114	3,255	44,859	27,807	2,526	25,281	2,817	1,419	426	993	1,397	412	985
1969	77,902	48,818	3,430	45,388	29,084	2,687	26,397	2,832	1,403	440	963	1,429	413	1,015
1970	78,678	48,990	3,409	45,581	29,688	2,735	26,952	4,093	2,238	599	1,638	1,855	506	1,349
1971	79,367	49,390	3,478	45,912	29,976	2,730	27,246	5,016	2,789	693	2,097	2,227	568	1,658
1972[1]	82,153	50,896	3,765	47,130	31,257	2,980	28,276	4,882	2,659	711	1,948	2,222	598	1,625
1973[1]	85,064	52,349	4,039	48,310	32,715	3,231	29,484	4,365	2,275	653	1,624	2,089	583	1,507
1974	86,794	53,024	4,103	48,922	33,769	3,345	30,424	5,156	2,714	757	1,957	2,441	665	1,777

CIVILIAN EMPLOYMENT AND UNEMPLOYMENT BY SEX AND AGE, 1947-82

[Thousands of persons 16 years of age and over; monthly data seasonally adjusted]

Year or month:	Civilian employment							Unemployment						
		Males			Females				Males			Females		
	Total	Total	16-19 years	20- years and over	Total	16-19 years	20 years and over	Total	Total	16-19 years	20 years and over	Total	16-19 years	20 years and over
1975	85,846	51,857	3,839	48,018	33,989	3,263	30,726	7,929	4,442	966	3,476	3,486	802	2,684
1976	88,752	53,138	3,947	49,190	35,615	3,389	32,226	7,406	4,036	939	3,098	3,369	780	2,588
1977	92,017	54,728	4,174	50,555	37,289	3,514	33,775	6,991	3,667	874	2,794	3,324	789	2,535
1978[1]	96,048	56,479	4,336	52,143	39,569	3,734	35,836	6,202	3,142	813	2,328	3,061	769	2,292
1979	98,824	57,607	4,300	53,308	41,217	3,783	37,434	6,137	3,120	811	2,308	3,018	743	2,276
1980	99,303	57,186	4,085	53,101	42,117	3,625	38,492	7,637	4,267	913	3,353	3,370	755	2,615
1981	100,397	57,397	3,815	53,582	43,000	3,411	39,590	8,273	4,577	962	3,615	3,696	800	2,895
1982	99,526	56,271	3,379	52,891	43,256	3,170	40,086	10,678	6,179	1,090	5,089	4,499	886	3,613
1981:														
Jan	99,964	57,357	3,968	53,389	42,607	3,558	39,049	8,048	4,477	998	3,479	3,571	762	2,809
Feb	100,143	57,337	3,933	53,404	42,806	3,538	39,268	8,032	4,448	988	3,500	3,544	778	2,766
Mar	100,504	57,557	3,916	53,641	42,947	3,514	39,433	7,967	4,397	958	3,439	3,570	805	2,765
Apr	101,006	57,837	3,981	53,856	43,169	3,545	39,624	7,860	4,300	947	3,353	3,560	800	2,760
May	100,968	57,739	3,892	53,847	43,229	3,504	39,725	8,133	4,495	955	3,540	3,638	792	2,846
June	100,393	57,314	3,736	53,578	43,079	3,383	39,696	8,047	4,439	947	3,492	3,608	778	2,830
July	100,748	57,614	3,786	53,828	43,134	3,413	39,721	7,854	4,226	883	3,343	3,628	761	2,867
Aug	100,709	57,540	3,796	53,744	43,169	3,443	39,726	8,053	4,444	931	3,513	3,609	760	2,849
Sept	100,104	57,404	3,758	53,646	42,700	3,344	39,356	8,271	4,499	940	3,559	3,772	819	2,953
Oct	100,355	57,257	3,750	53,507	43,098	3,263	39,835	8,673	4,764	949	3,815	3,909	866	3,043
Nov	100,229	57,062	3,683	53,379	43,167	3,247	39,920	9,025	5,052	1,026	4,026	3,973	868	3,105
Dec	99,677	56,746	3,578	53,168	42,931	3,194	39,737	9,389	5,396	1,029	4,367	3,993	819	3,174
1982:														
Jan	99,688	56,667	3,568	53,099	43,021	3,204	39,817	9,346	5,381	1,019	4,362	3,965	856	3,109
Feb	99,695	56,670	3,540	53,130	43,025	3,200	39,825	9,669	5,486	1,035	4,451	4,183	897	3,286
Mar	99,597	56,499	3,473	53,026	43,098	3,215	39,883	9,881	5,662	1,055	4,607	4,219	817	3,402
Apr	99,484	56,444	3,420	53,024	43,040	3,213	39,827	10,256	5,856	1,086	4,770	4,400	872	3,528
May	99,994	56,724	3,534	53,190	43,270	3,206	40,064	10,384	5,921	1,103	4,818	4,463	895	3,568
June	99,681	56,249	3,306	52,943	43,432	3,178	40,254	10,466	6,076	1,060	5,016	4,390	825	3,565
July	99,588	56,127	3,222	52,905	43,461	3,150	40,311	10,828	6,234	1,084	5,150	4,594	922	3,672
Aug	99,683	56,159	3,327	52,832	43,524	3,156	40,368	10,931	6,345	1,113	5,232	4,586	915	3,671
Sept	99,543	56,072	3,296	52,776	43,471	3,185	40,286	11,315	6,703	1,125	5,578	4,612	902	3,710
Oct	99,176	55,932	3,283	52,649	43,244	3,132	40,112	11,576	6,844	1,130	5,714	4,732	908	3,824
Nov	99,136	55,892	3,303	52,589	43,244	3,121	40,123	11,906	7,006	1,141	5,865	4,900	911	3,989
Dec	99,093	55,809	3,275	52,534	43,284	3,069	40,215	12,036	7,046	1,137	5,909	4,990	919	4,071

AVERAGE WEEKLY HOURS AND HOURLY EARNINGS IN SELECTED PRIVATE NONAGRICULTURAL INDUSTRIES, 1947-82

[For production or nonsupervisory workers; monthly data seasonally adjusted, except as noted]

Year or month:	Average weekly hours				Average gross hourly earnings, current dollars				Adjusted hourly earnings, total private nonagricultural[1]			
									Index, 1977 = 100		Percent change from a year earlier[3]	
	Total private non-agricultural	Manufacturing	Construction	Wholesale and retail trade	Total private non agricultural	Manufacturing	Construction	Wholesale and retail trade	Current dollars	1977 dollars[2]	Current dollars	1977 dollars
1947	40.3	40.4	38.2	40.5	$1.131	$1.216	$1.540	$0.940	21.6	58.5	....	....
1948	40.0	40.0	38.1	40.4	1.225	1.327	1.712	1.010	23.4	58.9	8.3	0.7
1949	39.4	39.1	37.7	40.5	1.275	1.376	1.792	1.060	24.5	62.3	4.7	5.8
1950	39.8	40.5	37.4	40.5	1.335	1.439	1.863	1.100	25.4	64.0	3.7	2.7
1951	39.9	40.6	38.1	40.5	1.45	1.56	2.02	1.18	27.3	63.6	7.5	−.6
1952	39.9	40.7	38.9	40.0	1.52	1.64	2.13	1.23	28.7	65.5	5.1	3.0
1953	39.6	40.5	37.9	39.5	1.61	1.74	2.28	1.30	30.3	68.7	5.6	4.9
1954	39.1	39.6	37.2	39.5	1.65	1.78	2.38	1.35	31.3	70.5	3.3	2.6
1955	39.6	40.7	37.1	39.4	1.71	1.85	2.45	1.40	32.4	73.3	3.5	4.0
1956	39.3	40.4	37.5	39.1	1.80	1.95	2.57	1.47	34.0	75.9	4.9	3.5
1957	38.8	39.8	37.0	38.7	1.89	2.04	2.71	1.54	35.7	76.9	5.0	1.3
1958	38.5	39.2	36.8	38.6	1.95	2.10	2.82	1.60	37.2	78.0	4.2	1.4
1959	39.0	40.3	37.0	38.8	2.02	2.19	2.93	1.66	38.5	80.0	3.5	2.6
1960	38.6	39.7	36.7	38.6	2.09	2.26	3.07	1.71	39.8	81.4	3.4	1.8
1961	38.6	39.8	36.9	38.3	2.14	2.32	3.20	1.76	41.0	83.0	3.0	2.0
1962	38.7	40.4	37.0	38.2	2.22	2.39	3.31	1.83	42.4	85.0	3.4	2.4
1963	38.8	40.5	37.3	38.1	2.28	2.45	3.41	1.89	43.6	86.3	2.8	1.5
1964	38.7	40.7	37.2	37.9	2.36	2.53	3.55	1.97	44.8	87.5	2.8	1.4
1965	38.8	41.2	37.4	37.7	2.46	2.61	3.70	2.04	46.4	89.0	3.6	1.7
1966	38.6	41.4	37.6	37.1	2.56	2.71	3.89	2.14	48.4	90.3	4.3	1.5
1967	38.0	40.6	37.7	36.6	2.68	2.82	4.11	2.25	50.8	92.2	5.0	2.1
1968	37.8	40.7	37.3	36.1	2.85	3.01	4.41	2.41	53.9	94.0	6.1	2.0
1969	37.7	40.6	37.9	35.7	3.04	3.19	4.79	2.56	57.5	95.0	6.7	1.1
1970	37.1	39.8	37.3	35.3	3.23	3.35	5.24	2.72	61.3	95.7	6.6	.7
1971	36.9	39.9	37.2	35.1	3.45	3.57	5.69	2.88	65.7	98.3	7.2	2.7
1972	37.0	40.5	36.5	34.9	3.70	3.82	6.06	3.05	69.8	101.2	6.2	3.0
1973	36.9	40.7	36.8	34.6	3.94	4.09	6.41	3.23	74.1	101.1	6.2	−.1
1974	36.5	40.0	36.6	34.2	4.24	4.42	6.81	3.48	80.0	98.3	8.0	−2.8
1975	36.1	39.5	36.4	33.9	4.53	4.83	7.31	3.73	86.7	97.6	8.4	−.7
1976	36.1	40.1	36.8	33.7	4.86	5.22	7.71	3.97	92.9	99.0	7.2	1.4
1977	36.0	40.3	36.5	33.3	5.25	5.68	8.10	4.28	100.0	100.0	7.6	1.0
1978	35.8	40.4	36.8	32.9	5.69	6.17	8.66	4.67	108.1	100.5	8.1	.5
1979	35.7	40.2	37.0	32.6	6.16	6.70	9.27	5.06	116.8	97.4	8.0	−3.1

AVERAGE WEEKLY HOURS AND HOURLY EARNINGS IN SELECTED PRIVATE NONAGRICULTURAL INDUSTRIES, 1947-82

[For production or nonsupervisory workers; monthly data seasonally adjusted, except as noted]

Year or month:	Average weekly hours				Average gross hourly earnings, current dollars				Adjusted hourly earnings, total private nonagricultural[1]			
									Index, 1977 = 100		Percent change from a year earlier	
	Total private non-agricultural	Manufacturing	Construction	Wholesale and retail trade	Total private non agricultural	Manufacturing	Construction	Wholesale and retail trade	Current dollars	1977 dollars[2]	Current dollars	1977 dollars
1980	35.3	39.7	37.0	32.2	6.66	7.27	9.94	5.48	127.3	93.5	9.0	−4.0
1981	35.2	39.8	36.9	32.2	7.25	7.99	10.80	5.93	138.9	92.6	9.1	−1.0
1982 ^{p}	34.8	38.9	36.7	31.9	7.67	8.50	11.55	6.22	148.4	93.3	6.8	.8
1981:												
Jan	35.6	40.4	38.6	32.3	7.00	7.69	10.40	5.72	133.7	92.8	9.9	−1.6
Feb	35.2	39.7	36.3	32.2	7.05	7.75	10.47	5.78	134.8	92.7	9.9	−1.4
Mar	35.3	39.9	37.2	32.2	7.10	7.81	10.53	5.82	135.7	92.7	9.4	−1.0
Apr	35.4	40.1	37.2	32.3	7.14	7.90	10.57	5.85	136.6	93.0	9.5	−.4
May	35.4	40.2	37.0	32.2	7.19	7.94	10.64	5.89	137.6	93.0	9.4	−.4
June	35.2	40.1	36.5	32.1	7.23	7.99	10.73	5.91	138.4	92.9	8.9	−.5
July	35.3	40.0	37.0	32.2	7.27	8.03	10.82	5.94	139.1	92.2	8.8	−1.7
Aug	35.2	39.9	36.8	32.2	7.34	8.09	10.90	5.98	140.5	92.5	9.3	−1.4
Sept	35.0	39.4	35.3	32.1	7.37	8.14	10.95	6.03	141.4	92.1	9.3	−1.4
Oct	35.1	39.5	36.8	32.0	7.40	8.16	11.06	6.03	142.0	92.1	8.6	−1.4
Nov	35.1	39.3	37.4	32.1	7.45	8.20	11.14	6.06	143.0	92.3	8.4	−.9
Dec	35.0	39.1	37.0	32.0	7.46	8.20	11.22	6.08	143.5	92.3	8.2	−.4
1982:												
Jan	34.4	37.6	35.2	31.7	7.52	8.38	11.52	6.09	144.9	92.9	8.3	.1
Feb	35.0	39.4	37.1	32.0	7.53	8.34	11.34	6.10	145.0	92.8	7.5	.1
Mar	34.9	39.0	36.9	31.9	7.54	8.37	11.39	6.12	145.4	93.3	7.2	.6
Apr	34.9	39.0	36.9	31.8	7.59	8.44	11.43	6.16	146.3	93.7	7.2	.8
May	35.0	39.1	37.5	32.0	7.65	8.48	11.54	6.20	147.7	93.7	7.3	.8
June	34.9	39.2	36.8	31.9	7.67	8.52	11.51	6.22	148.1	93.1	7.1	.2
July	34.9	39.2	37.2	31.9	7.71	8.56	11.56	6.23	148.9	93.0	7.1	.8
Aug	34.8	39.0	37.0	31.9	7.74	8.57	11.58	6.26	149.9	93.2	6.6	.8
Sept	34.8	38.8	36.4	32.1	7.72	8.56	11.56	6.25	150.1	93.2	6.1	1.2
Oct	34.7	38.8	36.3	31.9	7.77	8.56	11.71	6.32	150.8	93.2	6.2	1.2
Nov ^{p}	34.7	38.9	36.4	31.8	7.78	8.61	11.60	6.34	151.1	93.3	5.6	1.0
Dec ^{p}	34.6	38.9	36.5	31.8	7.83	8.62	11.82	6.35	151.9	94.0	5.9	1.9

[1] Adjusted for overtime (in manufacturing only) and for interindustry employment shifts.

[2] Current-dollar earnings index divided by the consumer price index for urban wage earners and clerical workers on a 1977 = 100 base.

[3] Monthly data are computed from indexes to two decimal places and are based on data not seasonally adjusted.

AVERAGE WEEKLY EARNINGS IN SELECTED PRIVATE NONAGRICULTURAL INDUSTRIES, 1947-82

[For production or nonsupervisory workers; monthly data seasonally adjusted, except as noted]

	Average gross weekly earnings					Percent change from a year earlier, total private nonagricultrual[2]	
	Total private nonagricultural		Manufacturing (current dollars)	Construction (current dollars)	Wholesale and retail trade (current dollars)		
Year or month:	Current dollars	1977 dollars[1]				Current dollars	1977 dollars
1947	$45.58	$123.52	$49.13	$58.83	$38.07	....	....
1948	49.00	123.43	53.08	65.23	40.80	7.5	−0.1
1949	50.24	127.84	53.80	67.56	42.93	2.5	3.6
1950	53.13	133.83	58.28	69.68	44.55	5.8	4.7
1951	57.86	134.87	63.34	76.96	47.79	8.9	.8
1952	60.65	138.47	66.75	82.86	49.20	4.8	2.7
1953	63.76	144.58	70.47	86.41	51.35	5.1	4.4
1954	64.52	145.32	70.49	88.54	53.33	1.2	.5
1955	67.72	153.21	75.30	90.90	55.16	5.0	5.4
1956	70.74	157.90	78.78	96.38	57.48	4.5	3.1
1957	73.33	158.04	81.19	100.27	59.60	3.7	.1
1958	75.08	157.40	82.32	103.78	61.76	2.4	−.4
1959	78.78	163.78	88.26	108.41	64.41	4.9	4.1
1960	80.67	164.97	89.72	112.67	66.01	2.4	.7
1961	82.60	167.21	92.34	118.08	67.41	2.4	1.4
1962	85.91	172.16	96.56	122.47	69.91	4.0	3.0
1963	88.46	175.17	99.23	127.19	72.01	3.0	1.7
1964	91.33	178.38	102.97	132.06	74.66	3.2	1.8
1965	95.45	183.21	107.53	138.38	76.91	4.5	2.7
1966	98.82	184.37	112.19	146.26	79.39	3.5	.6
1967	101.84	184.83	114.49	154.95	82.35	3.1	.2
1968	107.73	187.68	122.51	164.49	87.00	5.8	1.5
1969	114.61	189.44	129.51	181.54	91.39	6.4	.9
1970	119.83	186.94	133.33	195.45	96.02	4.6	−1.3
1971	127.31	190.58	142.44	211.67	101.09	6.2	1.9
1972	136.90	198.41	154.71	221.19	106.45	7.5	4.1
1973	145.39	198.35	166.46	235.89	111.76	6.2	−.0
1974	154.76	190.12	176.80	249.25	119.02	6.4	−4.1
1975	163.53	184.16	190.79	266.08	126.45	5.7	−3.1
1976	175.45	186.85	209.32	283.73	133.79	7.3	1.5
1977	189.00	189.00	228.90	295.65	142.52	7.7	1.2
1978	203.70	189.31	249.27	318.69	153.64	7.8	.2
1979	219.91	183.41	269.34	342.99	164.96	8.0	−3.1

AVERAGE WEEKLY EARNINGS IN SELECTED PRIVATE NONAGRICULTURAL INDUSTRIES, 1947-82

[For production or nonsupervisory workers; monthly data seasonally adjusted, except as noted]

	Average gross weekly earnings					Percent change from a year earlier, total private nonagricultrual[2]	
	Total private nonagricultural		Manufacturing (current dollars)	Construction (current dollars)	Wholesale and retail trade (current dollars)		
Year or month:	Current dollars	1977 dollars[1]				Current dollars	1977 dollars
1980	235.10	172.74	288.62	367.78	176.46	6.9	−5.8
1981	255.20	170.13	318.00	398.52	190.95	8.5	−1.5
1982[p]	266.92	167.87	330.65	423.89	198.42	4.6	−1.3
1981:							
Jan	249.20	172.94	310.68	401.44	184.76	9.5	−2.0
Feb	248.16	170.56	307.68	380.06	186.12	9.1	−2.1
Mar	250.63	171.31	311.62	391.72	187.40	9.2	−1.2
Apr	252.76	172.18	316.79	393.20	188.96	9.5	−.4
May	254.53	171.98	319.19	393.68	189.66	9.9	.1
June . . .	254.50	170.92	320.40	391.65	189.71	9.2	−.3
July	256.63	170.18	321.20	400.34	191.27	10.0	−.7
Aug	258.37	170.09	322.79	401.12	192.56	9.6	−1.1
Sept	257.95	168.05	320.72	386.54	193.56	8.4	−2.2
Oct	259.74	168.44	322.32	407.01	192.96	7.9	−2.0
Nov	261.50	168.82	322.26	416.64	194.53	7.3	−1.8
Dec	261.10	167.91	320.62	415.14	194.56	6.1	−2.4
1982:							
Jan	258.69	165.93	315.09	405.50	193.05	3.7	−4.1
Feb	263.55	168.62	328.60	420.71	195.20	6.2	−1.1
Mar	263.15	168.90	326.43	420.29	195.23	4.8	−1.6
Apr	264.89	169.69	329.16	421.77	195.89	4.5	−1.7
May	267.75	169.89	331.57	432.75	198.40	5.2	−1.2
June . . .	267.68	168.14	333.98	423.57	198.42	4.9	−1.9
July	269.08	167.97	335.55	430.03	198.74	4.7	−1.4
Aug	269.35	167.61	334.23	428.46	199.69	4.3	−1.4
Sept	268.66	166.87	332.13	420.78	200.63	4.0	−.9
Oct	269.62	166.53	332.13	425.07	201.61	3.5	−1.4
Nov[p] . . .	269.97	166.75	334.93	422.24	201.61	3.2	−1.2
Dec[p] . . .	270.92	167.75	335.32	431.43	201.93	3.8	−.1

[1] Earnings in current dollars divided by the consumer price index on a 1977 = 100 base.
[2] Based on data not seasonally adjusted.
P—preliminary

PRODUCTIVITY AND RELATED DATA, BUSINESS SECTOR, 1947-82

[1977 = 100; quarterly data seasonally adjusted]

Year or quarter:	Output per hour of all persons		Output[1]		Hours of all persons[2]		Compensation per hour[3]		Real compensation per hour[4]		Unit labor cost		Implicit price deflator[5]	
	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector
1947	43.7	49.9	35.0	34.0	80.2	68.1	17.0	18.5	46.1	50.1	38.9	37.0	38.1	36.6
1948	46.0	52.0	37.2	36.0	80.7	69.2	18.4	20.1	46.4	50.5	40.0	38.6	40.8	39.1
1949	46.7	53.1	36.5	35.3	78.1	66.6	18.7	20.6	47.6	52.5	40.1	38.9	40.3	39.4
1950	50.4	56.3	39.8	38.6	78.9	68.7	20.0	21.8	50.5	55.0	39.7	38.8	41.0	40.1
1951	51.8	57.2	42.1	41.1	81.3	71.9	22.0	23.8	51.3	55.4	42.5	41.5	44.0	42.8
1952	53.5	58.6	43.5	42.5	81.4	72.6	23.4	25.1	53.4	57.2	43.8	42.8	44.5	43.5
1953	55.2	59.5	45.4	44.3	82.2	74.5	24.9	26.5	56.4	59.9	45.1	44.4	44.9	44.4
1954	56.1	60.4	44.6	43.4	79.5	71.9	25.7	27.3	58.0	61.6	45.9	45.2	45.3	45.0
1955	58.3	62.8	48.1	47.0	82.5	74.9	26.4	28.3	59.6	64.0	45.2	45.0	46.0	46.0
1956	58.9	62.9	49.3	48.3	83.7	76.8	28.1	30.0	62.6	66.8	47.7	47.6	47.5	47.6
1957	60.4	64.0	49.8	48.9	82.5	76.4	29.9	31.7	64.4	68.2	49.5	49.5	49.2	49.3
1958	62.3	65.5	49.0	48.0	78.8	73.2	31.2	32.9	65.5	68.9	50.2	50.2	49.8	49.7
1959	64.3	67.7	52.6	51.8	81.9	76.5	32.6	34.2	67.7	71.1	50.7	50.5	50.8	50.9
1960	65.2	68.3	53.5	52.5	82.0	77.0	33.9	35.7	69.5	73.0	52.0	52.2	51.6	51.6
1961	67.3	70.3	54.4	53.5	80.8	76.1	35.2	36.8	71.3	74.6	52.3	52.4	51.8	51.9
1962	69.9	72.8	57.4	56.6	82.1	77.8	36.8	38.3	73.7	76.7	52.7	52.6	52.6	52.7
1963	72.5	75.1	59.9	59.1	82.6	78.7	38.2	39.6	75.5	78.4	52.6	52.7	53.2	53.3
1964	75.6	78.1	63.5	62.8	83.9	80.5	40.2	41.4	78.4	80.9	53.1	53.0	53.7	53.9
1965	78.3	80.5	67.8	67.2	86.6	83.5	41.7	42.8	80.1	82.2	53.3	53.2	54.7	54.8
1966	80.7	82.5	71.5	71.2	88.6	86.3	44.6	45.4	83.3	84.7	55.3	55.0	56.4	56.3
1967	82.5	84.0	73.1	72.7	88.6	86.5	47.0	47.9	85.3	86.9	56.9	57.0	57.9	58.1
1968	85.3	86.8	76.8	76.6	90.1	88.2	50.7	51.5	88.3	89.6	59.4	59.3	60.2	60.4
1969	85.5	86.5	79.0	78.8	92.5	91.1	54.2	54.8	89.6	90.6	63.4	63.4	63.2	63.3
1970	86.2	86.8	78.4	78.0	91.0	89.8	58.2	58.7	90.8	91.5	67.5	67.6	66.0	66.3
1971	89.2	89.7	80.7	80.3	90.5	89.5	62.0	62.5	92.8	93.5	69.5	69.7	69.0	69.3
1972	92.4	93.0	86.1	85.8	93.2	92.3	66.1	66.7	95.7	96.6	71.5	71.7	71.3	71.3
1973	94.7	95.3	91.8	91.7	96.8	96.2	71.3	71.7	97.3	97.8	75.3	75.3	75.3	74.0
1974	92.5	92.9	89.9	89.8	97.3	96.7	78.0	78.5	95.9	96.4	84.4	84.5	82.4	81.6

PRODUCTIVITY AND RELATED DATA, BUSINESS SECTOR, 1947-82

[1977 = 100; quarterly data seasonally adjusted]

Year or quarter:	Output per hour of all persons		Output[1]		Hours of all persons[2]		Compensation per hour[3]		Real compensation per hour[4]		Unit labor cost		Implicit price deflator[5]	
	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector	Business sector	Nonfarm business sector
1975	94.5	94.7	88.2	87.8	93.3	92.7	85.5	86.0	96.3	96.8	90.5	90.8	90.5	90.0
1976	97.6	97.8	93.8	93.7	96.0	95.8	92.9	93.0	98.9	99.0	95.1	95.1	94.7	94.6
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	100.6	100.6	105.5	105.7	104.9	105.0	108.6	108.6	100.9	100.9	108.0	108.0	107.5	107.1
1979	99.6	99.3	107.8	108.0	108.2	108.7	119.1	118.8	99.4	99.2	119.5	119.6	117.2	116.5
1980	98.9	98.5	106.2	106.3	107.4	108.0	131.4	130.9	96.7	96.3	132.9	133.0	128.3	128.3
1981	100.7	99.9	108.9	108.6	108.2	108.7	144.1	143.6	96.0	95.7	143.1	143.8	140.4	140.8
1982 p	101.0	100.0	106.4	105.9	105.3	105.9	154.6	154.0	97.0	96.7	153.0	153.9	148.2	149.0
1980:														
I	99.3	98.7	107.9	107.9	108.7	109.3	126.7	126.2	97.0	96.6	127.6	127.8	123.7	123.6
II	98.2	97.6	104.7	104.6	106.6	107.2	130.0	129.3	96.4	96.0	132.3	132.5	126.9	127.2
III	98.9	98.4	105.3	105.3	106.5	107.0	133.1	132.6	96.9	96.5	134.7	134.7	129.9	129.9
IV	99.3	99.2	107.0	107.3	107.7	108.2	136.1	135.7	96.2	95.9	137.0	136.8	132.8	132.7
1981:														
I	100.7	100.4	109.1	109.2	108.3	108.8	140.0	139.5	96.2	96.0	139.0	139.0	136.5	136.5
II	100.7	100.0	109.1	109.0	108.3	109.0	142.5	142.0	96.4	96.0	141.5	141.9	138.8	138.9
III	101.0	100.0	109.6	109.1	108.5	109.1	145.6	145.1	95.7	95.4	144.2	145.1	141.9	142.3
IV	100.2	99.1	107.8	107.1	107.5	108.1	148.2	147.7	95.6	95.3	147.9	149.0	144.6	145.5
1982:														
I	100.0	99.2	106.3	106.0	106.3	106.8	150.9	150.4	96.5	96.3	150.9	151.6	146.0	146.6
II	100.3	99.4	106.4	106.1	106.1	106.7	153.4	152.7	97.1	96.6	152.9	153.5	147.5	148.1
III	101.2	100.3	106.7	106.3	105.4	106.0	155.7	155.1	96.8	96.4	153.8	154.7	149.1	149.8
IV p	102.2	100.9	106.0	105.3	103.7	104.3	158.0	157.4	97.5	97.2	154.5	155.9	150.4	151.7

[1] Output refers to gross domestic product originating in the sector in 1972 dollars.

[2] Hours of all persons engaged in the sector, including hours of proprietors and unpaid family workers. Estimates based primarily on establishment data.

[3] Wages and salaries of employees plus employers' contributions for social insurance and private benifit plans. Also includes an estimate of wages, salaries, and supplemental payments for the self-employed.

[4] Hourly compensation divided by the consumer price index.

[5] Current dollar gross domestic product divided by constant dollar gross domestic product.

CAPACITY UTILIZATION RATE IN MANUFACTURING, 1948-82

[Percent; quarterly data seasonally adjusted]

	FRB series			Commerce series[1]				
Year or quarter:	Total manufacturing	Primary processing	Advanced processing	Total manufacturing	Durable goods	Nondurable goods	Primary-processed goods	Advanced-processed goods
1948	82.5	87.2	80.0	....	....	....	....	....
1949	74.2	76.2	73.3	....	....	....	....	....
1950	82.8	88.5	79.8	....	....	....	....	....
1951	85.8	90.2	83.4	....	....	....	....	....
1952	85.4	84.9	85.9	....	....	....	....	....
1953	89.2	89.4	89.3	....	....	....	....	....
1954	80.3	80.6	80.1	....	....	....	....	....
1955	87.1	92.1	84.3	....	....	....	....	....
1956	86.4	89.7	84.5	....	....	....	....	....
1957	83.7	84.7	83.1	....	....	....	....	....
1958	75.2	75.4	75.1	....	....	....	....	....
1959	81.9	83.4	81.1	....	....	....	....	....
1960	80.2	79.8	80.4	....	....	....	....	....
1961	77.4	77.9	77.2	....	....	....	....	....
1962	81.6	81.6	81.7	....	....	....	....	....
1963	83.5	83.8	83.4	....	....	....	....	....
1964	85.6	87.8	84.6	....	....	....	....	....
1965	89.6	91.1	88.9	85	88	85	89	85
1966	91.1	91.4	91.2	86	87	86	88	85
1967	86.9	85.7	87.6	84	83	85	87	83
1968	87.1	87.7	86.8	85	84	86	86	84
1969	86.2	88.5	85.0	85	84	86	87	84
1970	79.3	82.9	77.4	81	78	83	83	79
1971	78.4	82.3	76.3	80	78	83	82	80
1972	83.5	88.2	81.0	83	82	85	85	82
1973	87.6	92.5	85.0	86	85	86	89	84
1974	83.8	87.8	81.5	83	82	84	85	82
1975	72.9	73.7	72.5	77	76	79	76	77
1976	79.5	81.9	78.2	81	81	82	82	81
1977	81.9	84.0	80.8	83	84	82	83	83
1978	84.4	86.9	83.0	84	84	83	84	84
1979	85.7	88.1	84.3	83	83	82	84	82

CAPACITY UTILIZATION RATE IN MANUFACTURING, 1948-82

[Percent; quarterly data seasonally adjusted]

Year or quarter:	FRB series			Commerce series[1]				
	Total manufacturing	Primary processing	Advanced processing	Total manufacturing	Durable goods	Nondurable goods	Primary-processed goods	Advanced-processed goods
1980	79.1	78.5	79.4	78	77	79	77	78
1981	78.5	78.4	78.5	76	75	78	76	76
1982^{p}	69.8	66.4	71.6	....	....	....	....	....
1978:								
I	82.0	84.0	80.9	84	84	83	83	84
II	83.9	86.3	82.7	84	85	82	84	84
III	85.2	87.9	83.7	83	83	82	84	82
IV	86.4	89.5	84.6	84	85	83	85	84
1979:								
I	86.9	89.0	85.7	84	85	83	85	84
II	85.9	88.2	84.7	83	84	82	84	83
III	85.3	88.3	83.7	82	82	82	83	81
IV	84.4	86.9	83.0	81	80	82	83	80
1980:								
I	83.4	85.5	82.5	80	80	81	81	80
II	77.9	76.4	78.7	76	74	78	75	76
III	75.9	73.1	77.4	76	75	78	74	77
IV	79.1	79.3	78.8	78	78	78	78	78
1981:								
I	79.9	81.3	79.1	78	77	79	78	78
II	79.8	80.3	79.6	78	77	80	78	78
III	79.3	79.4	79.2	76	74	78	76	76
IV	74.8	72.7	75.9	72	70	75	71	73
1982:								
I	71.6	69.1	73.2	72	70	75	70	73
II	70.3	66.3	72.5	71	68	76	66	74
III	69.7	66.1	71.6	69	65	74	66	71
IV^{p}	67.6	64.3	69.2	....	....	....	....	....

[1] Quarterly data are for last month in quarter. Annual data are averages of the four indexes, except for 1965 (December index) and 1966-67 (averages of June and December indexes).

P—preliminary

NEW CONSTRUCTION ACTIVITY, 1929-82

[Value put in place, billions of dollars; monthly data at seasonally adjusted annual rates]

		Private construction								Public construction		
			Residential buildings[1]		Nonresidential buildings and other construction[1]							
Year or month:	Total new construction	Total	Total[2]	New housing units	Total	Commercial[3]	Industrial	Other[4]		Total	Federal	State and local[5]
1929	10.8	8.3	3.6	3.0	4.7	1.1	0.9	2.6		2.5	0.2	2.3
1933	2.9	1.2	.5	.3	.8	.1	.2	.5		1.6	.5	1.1
1939	8.2	4.4	2.7	2.3	1.7	.3	.3	1.2		3.8	.8	3.1
1940	8.7	5.1	3.0	2.6	2.1	.3	.4	1.3		3.6	1.2	2.4
1941	12.0	6.2	3.5	3.0	2.7	.4	.8	1.5		5.8	3.8	2.0
1942	14.1	3.4	1.7	1.4	1.7	.2	.3	1.2		10.7	9.3	1.3
1943	8.3	2.0	.9	.7	1.1	.0	.2	.9		6.3	5.6	.7
1944	5.3	2.2	.8	.6	1.4	.1	.2	1.1		3.1	2.5	.6
1945	5.8	3.4	1.3	.7	2.1	.2	.6	1.3		2.4	1.7	.7
1946	14.3	12.1	6.2	4.8	5.8	1.2	1.7	3.0		2.2	.9	1.4
New series												
1947	20.0	16.7	9.9	7.8	6.9	1.0	1.7	4.2		3.3	.8	2.5
1948	26.1	21.4	13.1	10.5	8.2	1.4	1.4	5.5		4.7	1.2	3.5
1949	26.7	20.5	12.4	10.0	8.0	1.2	1.0	5.9		6.3	1.5	4.8
1950	33.6	26.7	18.1	15.6	8.6	1.4	1.1	6.1		6.9	1.6	5.2
1951	35.4	26.2	15.9	13.2	10.3	1.5	2.1	6.7		9.3	3.0	6.3
1952	36.8	26.0	15.8	12.9	10.2	1.1	2.3	6.8		10.8	4.2	6.6
1953	39.1	27.9	16.6	13.4	11.3	1.8	2.2	7.3		11.2	4.1	7.1
1954	41.4	29.7	18.2	14.9	11.5	2.2	2.0	7.2		11.7	3.4	8.3
1955	46.5	34.8	21.9	18.2	12.9	3.2	2.4	7.3		11.7	2.8	8.9
1956	47.6	34.9	20.2	16.1	14.7	3.6	3.1	8.0		12.7	2.7	10.0
1957	49.1	35.1	19.0	14.7	16.1	3.6	3.6	9.0		14.1	3.0	11.1
1958	50.0	34.6	19.8	15.4	14.8	3.6	2.4	8.8		15.5	3.4	12.1
1959	55.4	39.3	24.3	19.2	15.1	3.9	2.1	9.0		16.1	3.7	12.3

NEW CONSTRUCTION ACTIVITY, 1929-82

[Value put in place, billions of dollars; monthly data at seasonally adjusted annual rates]

		Private construction							Public construction		
			Residential buildings[1]		Nonresidential buildings and other construction[1]						
Year or month:	Total new construction	Total	Total[2]	New housing units	Total	Commercial[3]	Industrial	Other[4]	Total	Federal	State and local[5]
1960	54.7	38.9	23.0	17.3	15.9	4.2	2.9	8.9	15.9	3.6	12.2
1961	56.4	39.3	23.1	17.1	16.2	4.7	2.8	8.7	17.1	3.9	13.3
1962	60.2	42.3	25.2	19.4	17.2	5.1	2.8	9.2	17.9	3.9	14.0
1963	64.8	45.5	27.9	21.7	17.6	5.0	2.9	9.7	19.4	4.0	15.4
1964	68.0	47.7	28.0	21.8	19.7	5.4	3.6	10.7	20.4	3.9	16.5
1965	74.1	52.0	27.9	21.7	24.1	....	....	....	22.1	4.0	18.0
1966	76.8	52.8	25.7	19.4	27.1	....	....	....	24.0	4.0	20.0
1967	78.5	52.9	25.6	19.0	27.3	....	....	....	25.5	3.5	22.1
1968	87.5	59.9	30.6	24.0	29.3	7.8	6.0	15.5	27.6	3.4	24.2
1969	94.3	66.3	33.2	25.9	33.1	9.4	6.8	16.9	28.0	3.3	24.6
1970	95.2	67.1	31.9	24.3	35.3	9.8	6.5	19.0	28.1	3.3	24.8
1971	110.3	80.4	43.3	35.1	37.2	11.6	5.4	20.1	29.9	4.0	25.9
1972	124.4	94.2	54.3	44.9	40.0	13.5	4.7	21.8	30.2	4.4	25.8
1973	138.4	105.9	59.7	50.1	46.2	15.5	6.2	24.5	32.5	4.9	27.6
1974	139.2	100.9	50.4	40.6	50.5	15.9	7.9	26.7	38.3	5.3	33.0
1975	135.9	95.1	46.5	34.4	48.6	12.8	8.0	27.8	40.9	6.3	34.6
1976	151.1	112.0	60.5	47.3	51.4	12.8	7.2	31.5	39.1	7.0	32.1
1977	173.8	135.7	81.0	65.7	54.7	14.8	7.7	32.2	38.2	7.3	30.9
1978	205.6	159.7	93.4	75.8	66.2	18.6	11.0	36.7	45.9	8.4	37.5
1979	230.4	181.6	99.0	78.6	82.6	24.9	15.0	42.7	48.8	8.6	40.2
1980	230.7	175.7	87.3	63.1	88.4	29.9	13.8	44.7	55.1	19.7	45.4
1981	238.2	185.2	86.6	62.7	98.7	34.2	17.0	47.4	53.0	10.0	42.9

NEW CONSTRUCTION ACTIVITY, 1929-82

[Value put in place, billions of dollars; monthly data at seasonally adjusted annual rates]

		Private construction							Public construction		
			Residential buildings[1]		Nonresidential buildings and other construction[1]						
Year or month:	Total new construction	Total	Total[2]	New housing units	Total	Commercial[3]	Industrial	Other[4]	Total	Federal	State and local[5]
1981:											
Jan	255.4	193.7	99.5	73.9	94.2	32.8	15.8	45.5	61.7	10.7	51.0
Feb	250.7	191.7	96.9	72.4	94.8	33.0	14.9	46.9	59.0	10.9	48.1
Mar	249.4	190.6	95.8	72.1	94.8	33.6	15.3	45.9	58.9	9.8	49.1
Apr	247.6	192.1	95.1	72.2	97.0	34.3	16.4	46.4	55.4	10.3	45.1
May	240.9	189.3	92.3	69.5	97.0	33.5	15.9	47.6	51.7	10.1	41.5
June	237.5	185.9	89.1	66.8	96.8	33.6	16.7	46.5	51.7	10.1	41.6
July	238.1	186.9	87.0	64.1	99.9	34.2	17.8	47.9	51.2	10.1	41.0
Aug	235.9	185.2	84.1	60.8	101.1	34.3	18.7	48.2	50.7	9.2	41.4
Sept	233.5	182.4	80.4	57.1	102.0	34.9	18.5	48.6	51.1	10.1	41.0
Oct	230.8	180.0	78.2	53.4	101.8	34.6	18.5	48.6	50.8	9.8	41.0
Nov	230.0	178.1	76.2	50.4	102.0	35.7	18.4	47.9	51.9	9.6	42.3
Dec	228.8	176.6	75.8	49.4	100.7	36.4	16.6	47.7	52.2	9.8	42.4
1982:											
Jan	225.1	175.5	73.7	51.0	101.8	36.2	17.1	48.5	49.6	9.2	40.4
Feb	222.6	173.0	69.2	49.2	103.9	36.8	17.2	49.8	49.6	9.6	40.0
Mar	224.6	173.6	70.0	51.0	103.6	38.4	16.6	48.6	51.0	10.0	41.0
Apr	226.1	175.1	72.3	49.6	102.8	38.4	15.9	48.5	51.0	9.8	41.1
May	228.7	179.9	75.5	51.0	104.5	36.8	17.1	50.6	48.8	9.6	39.2
June	231.6	182.7	75.3	49.8	107.4	38.0	18.4	50.9	48.9	9.5	39.4
July	227.6	178.7	73.4	51.5	105.3	37.5	16.4	51.4	48.9	9.9	39.0
Aug	228.1	176.6	72.1	52.3	104.5	36.1	16.7	51.7	51.4	10.2	41.2
Sept	228.1	177.0	71.5	53.1	105.6	37.1	16.6	51.8	51.1	10.5	40.6
Oct	229.1	177.7	74.1	52.3	103.6	35.7	17.1	50.9	51.3	10.4	40.9
Nov	237.2	184.4	78.4	54.2	106.0	37.1	17.2	51.7	52.8	10.6	42.2

[1] Beginning 1960, farm residential buildings included in residential buildings; prior to 1960, included in nonresidential buildings and other construction.

[2] Total includes additions and alterations and nonhousekeeping units, not shown separately.

[3] Office buildings, warehouses, stores, restaurants, garages, etc.

[4] Religious, educational, hospital and institutional, miscellaneous nonresidential, farm (see also footnote 1), public utilities, and all other private.

[5] Includes Federal grants-in-aid for State and local projects.

NEW HOUSING UNITS STARTED AND AUTHORIZED, 1959-82
[Thousands of units]

Year or month:	New housing units started						New private housing units authorized[2]			
	Private and public[1]		Private (farm and nonfarm)[1]							
				Type of structure				Type of structure		
	Total (farm and nonfarm)	Nonfarm	Total	1 unit	2 to 4 units	5 units or more	Total	1 unit	2 to 4 units	5 units or more
1959	1,553.7	1,531.3	1,517.0	1,234.0	283.0		1,208.3	938.3	77.1	192.9
1960	1,296.1	1,274.0	1,252.2	994.7	257.4		998.0	746.1	64.6	187.4
1961	1,365.0	1,336.8	1,313.0	974.3	338.7		1,064.2	722.8	67.6	273.8
1962	1,492.5	1,468.7	1,462.9	991.4	471.5		1,186.6	716.2	87.1	383.3
1963	1,634.9	1,614.8	1,603.2	1,012.4	590.8		1,334.7	750.2	118.9	465.6
1964	1,561.0	1,534.0	1,528.8	970.5	108.4	450.0	1,285.8	720.1	100.8	464.9
1965	1,509.7	1,487.5	1,472.8	963.7	86.6	422.5	1,239.8	709.9	84.8	445.1
1966	1,195.8	1,172.9	1,164.9	778.6	61.1	325.1	971.9	563.2	61.0	347.7
1967	1,321.9	1,298.8	1,291.6	843.9	71.6	376.1	1,141.0	650.6	73.0	417.5
1968	1,545.4	1,521.4	1,507.6	899.4	80.9	527.3	1,353.4	694.7	84.3	574.4
1969	1,499.5	1,482.3	1,466.8	810.6	85.0	571.2	1,323.7	625.9	85.2	612.7
1970	1,469.0	(3)	1,433.6	812.9	84.8	535.9	1,351.5	646.8	88.1	616.7
1971	2,084.5	(3)	2,052.2	1,151.0	120.3	780.9	1,924.6	906.1	132.9	885.7
1972	2,378.5	(3)	2,356.6	1,309.2	141.3	906.2	2,218.9	1,033.1	148.6	1,037.2
1973	2,057.5	(3)	2,045.3	1,132.0	118.3	795.0	1,819.5	882.1	117.0	820.5
1974	1,352.5	(3)	1,337.7	888.1	68.1	381.6	1,074.4	643.8	64.3	366.2
1975	1,171.4	(3)	1,160.4	892.2	64.0	204.3	939.2	675.5	63.9	199.8
1976	1,547.6	(3)	1,537.5	1,162.4	85.9	289.2	1,296.2	893.6	93.1	309.5
1977	2,001.7	(3)	1,987.1	1,450.9	121.7	414.4	1,690.0	1,126.1	121.3	442.7
1978	2,036.1	(3)	2,020.3	1,433.3	125.0	462.0	1,800.5	1,182.6	130.6	487.3
1979	1,760.0	(3)	1,745.1	1,194.1	122.0	429.0	1,551.8	981.5	125.4	444.8
1980	1,312.6	(3)	1,292.2	852.2	109.5	330.5	1,190.6	710.4	114.5	365.7
1981	1,100.3	(3)	1,084.2	705.4	91.1	287.7	985.5	564.3	101.8	319.4
1982[p]	1,070.4	(3)	1,060.6	661.0	80.7	319.0	992.5	540.0	88.6	363.9

NEW HOUSING UNITS STARTED AND AUTHORIZED, 1959-82

[Thousands of units]

Year or month:	New housing units started						Seasonally adjusted annual rates			
	Private and public[1]		Private (farm and nonfarm)[1]				New private housing units authorized[2]			
				Type of structure				Type of structure		
	Total (farm and nonfarm)	Nonfarm	Total	1 unit	2 to 4 units	5 units or more	Total	1 unit	2 to 4 units	5 units or more
1981:										
Jan	85.2	(3)	1,585	974	139	472	1,236	712	139	385
Feb	72.5	(3)	1,294	835	114	345	1,196	699	115	382
Mar	108.9	(3)	1,318	863	108	347	1,172	686	113	373
Apr	124.0	(3)	1,301	868	97	336	1,186	682	123	381
May	110.6	(3)	1,172	776	105	291	1,178	659	112	407
June	107.0	(3)	1,046	705	89	252	986	573	109	304
July	101.0	(3)	1,040	696	88	256	941	543	98	300
Aug	87.3	(3)	946	614	76	256	878	505	91	282
Sept	90.9	(3)	899	623	62	214	835	456	81	298
Oct	88.2	(3)	854	507	78	269	738	400	85	253
Nov	64.9	(3)	860	554	81	225	743	413	78	252
Dec	59.7	(3)	882	550	74	258	797	454	88	255
1982:										
Jan	47.6	(3)	885	592	70	223	803	450	68	285
Feb	52.0	(3)	945	568	84	293	792	436	75	281
Mar	78.7	(3)	931	621	67	243	851	460	81	310
Apr	85.1	(3)	882	566	64	252	879	450	76	353
May	99.2	(3)	1,066	631	86	349	944	488	102	354
June	91.8	(3)	908	621	83	204	929	516	91	322
July	107.2	(3)	1,193	628	102	463	1,062	500	85	477
Aug	97.2	(3)	1,033	645	88	300	888	497	83	308
Sept	108.3	(3)	1,129	677	92	360	1,003	561	96	346
Oct	111.7	(3)	1,126	701	64	361	1,172	651	86	435
Nov	111.9	(3)	1,404	883	79	442	1,192	729	96	367
Dec ^{p}	81.7	(3)	1,222	800	86	336	1,291	732	111	448

[1] Units in structures built by private developers for sale upon completion to local public housing authorities under the Department of Housing and Urban Development "Turnkey" program are classified as private housing. Military housing starts, including those financed with mortgages insured by FHA under Section 803 of the National Housing Act, are included in publicly owned starts and excluded from total private starts.

[2] Authorized by issuance of local building permit: in 16,000 permit-issuing places beginning 1978; in 14,000 for 1972-77; in 13,000 places for 1967-71; in 12,000 places for 1963-66; and in 10,000 places prior to 1963.

[3] Not available separately beginning January 1970.

SALES AND INVENTORIES IN MANUFACTURING AND TRADE 1947-82

[Amounts in millions of dollars; monthly data seasonally adjusted]

Year or month:	Total manufacturing and trade			Manufacturing			Merchant wholesalers			Retail trade		
	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]
1947	....	....	...	15,513	25,897	1.58	....	....	...	10,200	14,241	1.26
1948	35,260	52,507	1.42	17,316	28,543	1.57	6,808	7,957	1.13	11,135	16,007	1.39
1949	33,788	49,497	1.53	16,126	26,321	1.75	6,514	7,706	1.19	11,149	15,470	1.41
1950	38,596	59,822	1.36	18,634	31,078	1.48	7,695	9,284	1.07	12,268	19,460	1.38
1951	43,356	70,242	1.55	21,714	39,306	1.66	8,597	9,886	1.16	13,046	21,050	1.64
1952	44,840	72,377	1.58	22,529	41,136	1.78	8,782	10,210	1.12	13,529	21,031	1.52
1953	47,987	76,122	1.58	24,843	43,943	1.76	9,052	10,686	1.17	14,091	21,488	1.53
1954	46,443	73,175	1.60	23,355	41,612	1.81	8,993	10,637	1.18	14,095	20,926	1.51
1955	51,694	79,516	1.47	26,480	45,069	1.62	9,893	11,678	1.13	15,321	22,769	1.43
1956	54,063	87,304	1.55	27,740	50,642	1.73	10,513	13,260	1.19	15,811	23,402	1.47
1957	55,879	89,052	1.59	28,736	51,871	1.80	10,475	12,730	1.23	16,667	24,451	1.44
1958	54,201	87,093	1.60	27,247	50,241	1.84	10,257	12,739	1.24	16,696	24,113	1.43
1959	59,729	92,129	1.50	30,286	52,945	1.70	11,491	13,879	1.15	17,951	25,305	1.40
1960	60,827	94,713	1.56	30,879	53,780	1.75	11,656	14,120	1.22	18,294	26,813	1.45
1961	61,159	95,594	1.54	30,923	54,885	1.74	11,988	14,488	1.20	18,249	26,221	1.43
1962	65,662	101,063	1.50	33,357	58,186	1.70	12,674	14,936	1.16	19,630	27,941	1.38
1963	68,995	105,480	1.49	35,058	60,046	1.69	13,382	16,048	1.15	20,556	29,386	1.39
1964	73,682	111,503	1.47	37,331	63,409	1.64	14,529	17,000	1.14	21,823	31,094	1.40
1965	80,283	120,907	1.45	40,995	68,185	1.60	15,611	18,317	1.15	23,677	34,405	1.39
1966	87,187	136,790	1.47	44,870	77,952	1.62	16,987	20,765	1.15	25,330	38,073	1.44
1967	90,348	144,796	1.56	46,487	84,664	1.76	19,448	24,833	1.24	24,413	35,299	1.43
1968	98,104	155,697	1.54	50,228	90,618	1.74	20,846	26,134	1.23	27,030	38,945	1.38
1969	105,003	169,343	1.55	53,501	98,202	1.77	22,609	28,624	1.22	28,893	42,517	1.41
1970	107,448	177,556	1.62	52,805	101,651	1.90	23,943	32,038	1.27	30,700	43,867	1.41
1971	116,017	187,766	1.58	55,906	102,658	1.83	26,257	35,045	1.27	33,853	50,063	1.41
1972	130,030	201,950	1.49	63,023	108,238	1.67	29,584	38,633	1.24	37,422	55,079	1.40
1973	153,412	233,237	1.41	72,937	124,628	1.58	38,014	45,372	1.11	42,462	63,237	1.40
1974	177,625	285,807	1.45	84,794	157,792	1.65	47,748	56,948	1.07	45,082	71,067	1.48
1975	182,230	288,375	1.57	86,595	159,934	1.84	46,623	56,697	1.21	49,012	71,744	1.44
1976	204,277	318,544	1.48	98,802	175,193	1.69	50,694	64,078	1.19	54,781	79,273	1.38
1977	229,623	351,176	1.46	113,201	189,334	1.61	55,987	72,311	1.21	60,435	89,530	1.40
1978	259,046	397,090	1.44	126,953	210,679	1.57	65,036	83,891	1.21	67,057	102,520	1.43
1979	294,573	444,132	1.43	143,935	241,034	1.57	76,109	93,870	1.18	74,529	109,228	1.44
1980	321,504	482,570	1.45	154,249	264,016	1.66	87,931	104,441	1.13	79,325	114,114	1.41
1981	350,622	519,394	1.43	166,217	283,152	1.66	97,839	110,549	1.09	86,566	125,693	1.39

SALES AND INVENTORIES IN MANUFACTURING AND TRADE 1947-82

[Amounts in millions of dollars; monthly data seasonally adjusted]

Year or month:	Total manufacturing and trade			Manufacturing			Merchant wholesalers			Retail trade		
	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]	Sales[1]	Inventories[2]	Ratio[3]
1981:												
Jan	347,858	485,396	1.40	163,902	266,798	1.63	99,852	104,233	1.04	84,104	114,365	1.36
Feb	348.653	490,291	1.41	164,676	269,146	1.63	98,776	105,027	1.06	85,201	116,118	1.36
Mar	350,281	492,399	1.41	165,936	271,062	1.63	98,217	105,189	1.07	86,128	116,148	1.35
Apr	352,855	494,177	1.40	167,649	272,060	1.62	98,944	105,149	1.06	86,263	116,968	1.36
May	353,698	497,812	1.41	168,073	274,196	1.63	99,264	105,425	1.06	86,361	118,191	1.37
June	356,524	501,531	1.41	170,951	274,616	1.61	98,274	106,904	1.09	87,299	120,010	1.37
July	355,236	504,744	1.42	170,333	276,983	1.63	97,611	105,768	1.08	87,292	121,993	1.40
Aug	354,520	510,099	1.44	169,274	279,102	1.65	97,285	107,656	1.11	87,961	123,341	1.40
Sept	353,725	515,349	1.46	168,156	282,209	1.68	97,746	108,764	1.11	87,823	124,376	1.42
Oct	346.605	518,241	1.50	163,957	284,386	1.73	96,235	108,491	1.13	86,413	125,364	1.45
Nov	344,943	521,574	1.51	161,442	285,784	1.77	96,768	110,173	1.14	86,733	125,618	1.45
Dec	341,330	519,394	1.52	159,614	283,152	1.77	95,144	110,549	1.16	86,572	125,693	1.45
1982:												
Jan	334,579	516,256	1.54	155,023	281,155	1.81	94,236	110,971	1.18	85,320	124,131	1.45
Feb	340,571	513,906	1.51	158,142	281,688	1.78	95,010	108,823	1.15	87,418	123,395	1.41
Mar	342,121	513,054	1.50	157,517	280,065	1.78	97,361	109,657	1.13	87,242	123,332	1.41
Apr	339,835	515,074	1.52	156,114	278,985	1.79	95,427	112,913	1.18	88,294	123,175	1.40
May	349,096	510,517	1.46	160,828	276,449	1.72	97,427	111,701	1.15	90,841	122,367	1.35
June	346,126	512,981	1.48	161,519	275,115	1.70	96,565	113,514	1.18	88,042	124,351	1.41
July	344.603	513,387	1.49	161,382	274,914	1.70	93,776	113,534	1.21	89,445	124,939	1.40
Aug	339,464	514,554	1.52	158,619	274,302	1.73	92,343	113,101	1.22	88,502	127,151	1.44
Sept	339,470	515,399	1.52	159,278	272,474	1.71	90,866	113,852	1.25	89,326	129,073	1.44
Oct	332,537	514,224	1.55	152,473	271,710	1.78	89,774	113,886	1.27	90,290	128,628	1.42
Nov	335,938	508,553	1.51	152,343	269,297	1.77	90,982	112,669	1.24	92,613	126,587	1.37

[1] Monthly average for year and total for month.

[2] Seasonally adjusted, end of period.

[3] Inventory/sales ratio. For annual periods, ratio of weighted average inventories to average monthly sales; for monthly data, ratio of inventories at end of month to sales for month.

Note—Earlier data are not strictly comparable with data beginning 1958 for manufacturing and beginning 1967 for wholesale and retail trade.

The inventory figures in this table do not agree with the estimates of change in business inventories included in the gross national product since these figures cover only manufacturing and trade rather than all business, and show inventories in terms of current book value without adjustment for revaluation.

MANUFACTURERS' SHIPMENTS AND INVENTORIES, 1947-82

[Millions of dollars; monthly data seasonally adjusted]

Year or month:	Shipments[1]			Inventories[2]								
					Durable goods industries				Nondurable goods industries			
	Total	Durable goods industries	Nondurable goods industries	Total	Total	Materials and supplies	Work in process	Finished goods	Total	Materials and supplies	Work in process	Finished goods
1947	15,513	6,694	8,819	25,897	13,061	....	....	....	12,836	....	....	....
1948	17,316	7,579	9,738	28,543	14,662	....	....	....	13,881	....	....	....
1949	16,126	7,191	8,935	26,321	13,060	....	....	....	13,261	....	....	....
1950	18,634	8,845	9,789	31,078	15,539	....	....	....	15,539	....	....	....
1951	21,714	10,493	11,221	39,306	20,991	....	....	....	18,315	....	....	....
1952	22,529	11,313	11,216	41,136	23,731	....	....	....	17,405	....	....	....
1953	24,843	13,349	11,494	43,948	25,878	8,966	10,720	6,206	18,070	....	....	....
1954	23,355	11,828	11,527	41,612	23,710	7,894	9,721	6,040	17,902	8,317	2,472	7,409
1955	26,480	14,071	12,409	45,069	26,405	9,194	10,756	6,348	18,664	8,167	2,440	7,415
1956	27,740	14,715	13,025	50,642	30,447	10,417	12,317	7,565	20,195	8,556	2,571	7,666
1957	28,736	15,237	13,499	51,871	31,728	10,608	12,837	8,125	20,143	8,971	2,721	8,622
1958	27,247	13,563	13,684	50,241	30,258	10,032	12,387	7,839	19,983	8,775	2,864	8,624
1959	30,286	15,609	14,677	52,945	32,077	10,776	13,063	8,239	20,868	8,662	2,828	8,491
1960	30,879	15,883	14,996	53,780	32,371	10,353	12,772	9,245	21,409	9,080	2,944	8,845
1961	30,923	15,616	15,307	54,885	32,544	10,279	13,203	9,063	22,341	9,082	2,946	9,380
1962	33,357	17,262	16,095	58,186	34,632	10,810	14,159	9,662	23,554	9,493	3,110	9,738
1963	35,058	18,280	16,778	60,046	35,866	11,068	14,871	9,925	24,180	9,813	3,296	10,444
1964	37,331	19,637	17,694	63,409	38,506	11,970	16,191	10,344	24,903	9,978	3,406	10,796
1965	40,995	22,221	18,774	68,185	42,257	13,325	18,075	10,854	25,928	10,131	3,511	11,261
1966	44,870	24,649	20,220	77,952	49,920	15,489	21,939	12,491	28,032	10,448	3,806	11,674
1967	46,487	25,267	21,220	84,664	55,005	16,455	25,005	13,547	29,659	11,155	4,204	12,673
1968	50,228	27,659	22,570	90,618	58,875	17,376	27,336	14,163	31,743	11,715	4,421	13,523
1969	53,501	29,437	24,064	98,202	64,739	18,693	30,408	15,639	33,463	12,289	4,848	14,606
1970	52,805	28,188	24,617	101,651	66,780	19,182	29,848	17,751	34,871	12,724	5,122	15,617
1971	55,906	29,954	25,952	102,658	66,289	19,759	28,650	17,880	36,368	13,150	5,274	16,448
1972	63,023	34,024	29,000	108,238	70,250	20,860	30,788	18,601	37,988	13,683	5,665	17,019
1973	72,937	39,686	33,250	124,628	81,398	26,028	35,545	19,823	43,230	14,676	5,982	17,330
1974	84,794	44,228	40,567	157,792	101,739	35,151	42,603	23,985	56,053	18,132	6,707	18,391
1975	86,595	43,656	42,939	159,934	102,874	33,920	43,369	25,586	57,060	23,699	8,175	24,179
1976	98,802	50,689	48,113	175,193	112,581	37,548	46,345	28,690	62,612	23,542	8,837	24,681
1977	113,201	59,267	53,934	189,334	121,737	40,350	50,625	30,763	67,598	25,833	9,933	26,846
1978	126,953	67,848	59,104	210,679	138,045	45,334	58,694	34,018	72,634	27,397	10,989	29,212
1979	143,935	76,060	67,875	241,034	160,601	52,805	69,212	38,585	80,433	29,354	11,913	31,367
1980	154,249	77,540	76,708	264,016	174,674	55,310	76,851	42,513	89,341	32,479	13,710	34,244
1981	166,217	83,417	82,800	283,152	188,429	58,461	82,814	47,153	94,723	36,208	15,656	37,478

MANUFACTURERS' SHIPMENTS AND INVENTORIES, 1947-82

[Millions of dollars; monthly data seasonally adjusted]

Year or month:	Shipments[1]			Inventories[2]								
					Durable goods industries				Nondurable goods industries			
	Total	Durable goods industries	Nondurable goods industries	Total	Total	Materials and supplies	Work in process	Finished goods	Total	Materials and supplies	Work in process	Finished goods
1981:												
Jan	163,902	81,436	82,466	266,798	176,632	56,409	78,337	41,887	90,166	36,820	15,818	37,528
Feb	164,676	82,176	82,500	269,146	177,725	56,754	78,662	42,309	91,421	37,050	16,126	38,245
Mar	165,936	83,510	82,426	271,062	178,374	56,382	79,159	42,835	92,688	36,974	16,194	39,521
Apr	167,649	84,784	82,864	272,060	179,301	56,757	79,733	42,812	92,759	37,206	16,263	39,290
May	168,073	85,439	82,634	274,196	180,010	56,394	80,435	43,180	94,186	37,305	16,509	40,372
June	170,951	86,891	84,060	274,616	181,125	57,017	80,362	43,744	93,492	37,074	16,161	40,257
July	170,333	85,739	84,594	276,983	183,229	58,016	81,041	44,172	93,754	37,531	16,174	40,048
Aug	169,274	85,223	84,051	279,102	185,022	58,121	81,635	45,266	94,080	37,447	16,251	40,382
Sept	168,156	84,671	83,485	282,209	187,686	58,908	82,621	46,158	94,523	37,606	16,213	40,705
Oct	163,957	81,265	82,692	284,386	189,461	59,117	83,588	46,756	94,925	37,720	15,912	41,293
Nov	161,442	80,279	81,163	285,784	190,222	59,216	84,058	46,946	95,561	37,834	16,174	41,555
Dec	159,614	79,133	80,481	283,152	188,429	58,461	82,814	47,153	94,723	38,015	16,196	40,511
1982:												
Jan	155,023	75,551	79,472	281,155	187,054	58,184	82,211	46,659	94,100	37,961	15,959	40,179
Feb	158,142	77,976	80,167	281,688	187,121	57,999	82,097	47,026	94,567	37,899	15,792	40,877
Mar	157,517	78,124	79,394	280,065	186,063	56,897	81,729	47,435	94,002	37,317	15,629	41,057
Apr	156,114	77,136	78,978	278,985	185,916	56,947	81,562	47,408	93,070	37,486	15,601	39,983
May	160,828	79,518	81,310	276,449	184,870	55,996	81,284	47,590	91,579	37,172	15,438	38,969
June	161,519	78,888	82,631	275,115	184,289	55,643	81,304	47,342	90,826	36,714	15,555	38,557
July	161,382	79,036	82,346	274,914	183,798	55,781	80,216	47,801	91,116	36,789	15,519	38,808
Aug	158,619	77,248	81,371	274,302	183,550	55,191	80,458	47,901	90,752	36,448	15,529	38,775
Sept	159,278	76,562	82,716	272,474	182,793	54,703	80,379	47,711	89,681	35,800	15,192	38,689
Oct	152,473	72,342	80,131	271,710	181,843	54,279	80,567	46,997	89,867	35,637	14,857	39,373
Nov	152,343	72,708	79,635	269,297	179,324	53,624	79,995	45,705	89,973	35,814	14,793	39,366

[1] Monthly average for year and total for month.

[2] Book value, seasonally adjusted, end of period.

Note—Date beginning 1958 are not strictly comparable with earlier data.

MANUFACTURERS' NEW AND UNFILLED ORDERS, 1947-82

[Amounts in millions of dollars; monthly data seasonally adjusted]

	New orders[1]				Unfilled orders[2]			Unfilled orders—shipments ratio[3]		
		Durable goods industries								
Year or month:	Total	Total	Capital goods industries non-defense	Non-durable goods industries	Total	Durable goods industries	Non-durable goods industries	Total	Durable goods industries	Non-durable goods industries
1947	15,256	6,388	....	8,868	34,473	28,579	5,894	....	....	....
1948	17,693	8,126	....	9,566	30,736	26,619	4,117	....	....	....
1949	15,614	6,633	....	8,981	24,045	19,622	4,423	....	....	....
1950	20,110	10,165	....	9,945	41,456	35,435	6,021	....	....	....
1951	23,907	12,841	....	11,066	67,266	63,394	3,872	....	....	....
1952	23,204	12,061	....	11,143	75,857	72,680	3,177	....	....	....
1953	23,586	12,147	....	11,439	61,178	58,637	2,541	....	....	....
1954	22,335	10,768	....	11,566	48,266	45,250	3,016	3.42	4.12	.96
1955	27,465	14,996	....	12,469	60,004	56,241	3,763	3.63	4.27	1.12
1956	28,368	15,365	....	13,003	67,375	63,880	3,495	3.87	4.55	1.04
1957	27,559	14,111	....	13,448	53,183	50,352	2,831	3.35	4.00	.85
1958	27,002	13,290	....	13,712	47,370	44,559	2,811	3.09	3.69	.86
1959	30,724	16,003	....	14,720	52,732	49,373	3,359	3.01	3.54	.94
1960	30,235	15,303	....	14,932	45,080	42,514	2,566	2.78	3.37	.72
1961	31,104	15,759	....	15,345	47,407	44,375	3,032	2.63	3.13	.79
1962	33,436	17,374	....	16,061	48,577	45,965	2,612	2.69	3.24	.68
1963	35,524	18,709	....	16,815	54,327	51,270	3,057	2.80	3.37	.73
1964	38,357	20,652	....	17,705	66,882	63,691	3,191	3.10	3.72	.72
1965	42,100	23,278	....	18,823	80,071	76,298	3,773	3.33	3.95	.80
1966	46,402	26,177	....	20,225	98,401	94,575	3,826	3.81	4.55	.76
1967	47,056	25,825	....	21,231	104,547	100,576	3,971	3.70	4.40	.73
1968	50,687	28,116	6,903	22,571	109,926	105,950	3,976	3.85	4.65	.69
1969	53,950	29,871	7,660	24,079	115,422	111,250	4,172	3.75	4.50	.69
1970	52,038	27,388	6,738	24,650	106,158	101,566	4,592	3.65	4.39	.77
1971	55,983	29,998	7,444	25,986	107,147	102,119	5,027	3.38	4.06	.77
1972	64,167	35,064	8,622	29,104	121,061	114,725	6,336	3.31	3.90	.88
1973	76,259	42,930	10,971	33,330	161,256	153,876	7,380	3.91	4.63	.93
1974	87,268	46,853	12,673	40,415	191,102	185,560	5,542	4.19	5.03	.64
1975	85,149	42,019	11,011	43,130	173,829	165,930	7,898	3.80	4.57	.84
1976	99,543	51,398	12,799	48,145	182,499	174,211	8,288	3.34	3.99	.76
1977	115,027	61,076	15,276	53,951	204,880	196,417	8,463	3.30	3.92	.70
1978	131,664	72,410	19,444	59,254	261,941	251,663	10,278	3.62	4.26	.78
1979	147,354	79,394	23,203	67,960	303,178	291,883	11,295	3.89	4.63	.76

MANUFACTURERS' NEW AND UNFILLED ORDERS, 1947-82

[Amounts in millions of dollars; monthly data seasonally adjusted]

	New orders[1]				Unfilled orders[2]			Unfilled orders—shipments ratio[3]		
		Durable goods industries								
Year or month:	Total	Total	Capital goods industries non-defense	Non-durable goods industries	Total	Durable goods industries	Non-durable goods industries	Total	Durable goods industries	Non-durable goods industries
1980	155,738	79,060	23,449	76,678	320,977	310,051	10,926	3.79	4.53	.67
1981	166,015	83,272	24,061	82,743	318,621	308,370	10,251	3.77	4.59	.59
1981:										
Jan.	164,976	82,528	25,063	82,447	322,053	311,146	10,907	3.80	4.56	.66
Feb.	165,375	82,699	21,857	82,677	322,749	311,666	11,084	3.77	4.53	.66
Mar.	166,240	83,862	24,456	82,378	323,054	312,018	11,036	3.71	4.45	.65
Apr.	169,422	86,410	25,687	83,013	324,826	313,642	11,184	3.70	4.44	.65
May	170,281	87,396	24,488	82,885	327,033	315,597	11,436	3.70	4.43	.67
June	171,022	86,911	24,039	84,111	327,105	315,618	11,487	3.66	4.37	.67
July	172,089	87,582	24,655	84,507	328,861	317,462	11,399	3.68	4.42	.65
Aug.	168,797	84,819	24,867	83,979	328,384	317,057	11,327	3.68	4.42	.65
Sept.	167,728	84,456	24,312	83,272	327,955	316,841	11,114	3.70	4.46	.63
Oct.	159,558	77,193	22,528	82,365	323,556	312,769	10,787	3.76	4.55	.62
Nov.	159,460	78,592	24,369	80,868	321,574	311,082	10,492	3.76	4.56	.60
Dec.	156,660	76,421	22,130	80,239	318,621	308,370	10,251	3.77	4.59	.59
1982:										
Jan.	154,519	75,061	21,717	79,458	318,114	307,877	10,237	3.90	4.76	.60
Feb.	155,984	76,309	21,560	79,676	315,957	306,211	9,746	3.78	4.62	.56
Mar.	157,198	77,859	22,174	79,339	315,639	305,947	9,692	3.76	4.61	.55
Apr.	154,995	76,194	22,608	78,803	314,521	305,004	9,518	3.86	4.71	.57
May	156,791	75,710	20,332		310,482	301,194	9,288	3.71	4.52	.55
June	157,058	74,550	19,278	82,508	306,032	296,866	9,166	3.69	4.51	.54
July	158,588	76,446	20,322	82,142	303,235	294,272	8,963	3.67	4.49	.53
Aug.	154,380	72,982	18,893	81,398	299,001	290,011	8,990	3.69	4.55	.52
Sept.	156,166	73,266	20,273	82,900	295,883	286,706	9,177	3.63	4.46	.54
Oct.	149,696	69,598	20,183	80,098	293,107	283,960	9,147	3.77	4.66	.54
Nov.	150,362	70,607	20,173	79,755	291,128	281,861	9,267	3.72	4.61	.54

[1] Monthly average for year and total for month.

[2] Seasonally adjusted, end of period.

[3] Ratio of unfilled orders at end of period to shipments for period; excludes industries with no unfilled orders. Annual figures relate to seasonally adjusted data for December.

Note—Data beginning 1958 are not strictly comparable with earlier data.

CONSUMER PRICE INDEXES, MAJOR EXPENDITURE CLASSES, 1929-82

[1967 = 100]

Year or month	All items	Food and beverages		Housing				Apparel and upkeep	Transportation	Medical care	Entertainment	Other goods and services	Energy[4]
		Total[1]	Food	Total[2]	Rent, residential	Home ownership	Fuel and other utilities[3]						
1929	51.3	....	48.3	....	76.0	....	....	48.5	....	....	....	....	....
1933	38.8	....	30.6	....	54.1	....	....	36.9	....	....	....	....	....
1939	41.6	....	34.6	52.2	56.0	....	....	42.2	43.0	36.7	....	....	....
1940	42.0	....	35.2	52.4	56.2	....	....	42.8	42.7	36.8	....	....	....
1941	44.1	....	38.4	53.7	57.2	....	....	44.8	44.2	37.0	....	....	....
1942	48.8	....	45.1	56.2	58.5	....	....	52.3	48.1	38.0	....	....	....
1943	51.8	....	50.3	56.8	58.5	....	....	54.6	47.9	39.9	....	....	....
1944	52.7	....	49.6	58.1	58.6	....	....	58.5	47.9	41.1	....	....	....
1945	53.9	....	50.7	59.1	58.8	....	....	61.5	47.8	42.1	....	....	....
1946	58.5	....	58.1	60.6	59.2	....	....	67.5	50.3	44.4	....	....	....
1947	66.9	....	70.6	65.2	61.1	....	....	78.2	55.5	48.1	....	....	....
1948	72.1	....	76.6	69.8	65.1	....	....	83.3	61.8	51.1	....	....	....
1949	71.4	....	73.5	70.9	68.0	....	....	80.1	66.4	52.7	....	....	....
1950	72.1	....	74.5	72.8	70.4	....	....	79.0	68.2	53.7	....	....	....
1951	77.8	....	82.8	77.2	73.2	....	....	86.1	72.5	56.3	....	....	....
1952	79.5	....	84.3	78.7	76.2	....	....	85.3	77.3	59.3	....	....	....
1953	80.1	....	83.0	80.8	80.3	75.0	83.0	84.6	79.5	61.4	....	....	....
1954	80.5	....	82.8	81.7	83.2	76.3	83.5	84.5	78.3	63.4	....	....	....
1955	80.2	....	81.6	82.3	84.3	77.0	85.1	84.1	77.4	64.8	....	....	....
1956	81.4	....	82.2	83.6	85.9	78.3	87.3	85.8	78.8	67.2	....	....	....
1957	84.3	....	84.9	86.2	87.5	81.7	89.9	87.3	83.3	69.9	....	....	....
1958	86.6	....	88.5	87.7	89.1	83.5	91.7	87.5	86.0	73.2	....	....	90.1
1959	87.3	....	87.1	88.6	90.4	84.4	93.8	88.2	89.6	76.4	....	....	90.3
													91.8

CONSUMER PRICE INDEXES, MAJOR EXPENDITURE CLASSES, 1929-82

[1967 = 100]

Year or month	All items	Food and beverages		Housing				Apparel and upkeep	Transportation	Medical care	Entertainment	Other goods and services	Energy[4]
		Total[1]	Food	Total[2]	Rent, residential	Home ownership	Fuel and other utilities[3]						
1960	88.7	. . . .	88.0	90.2	91.7	86.3	95.9	89.6	89.6	79.1	. . . .	. . . .	94.2
1961	89.6	. . . .	89.1	90.9	92.9	86.9	97.1	90.4	90.6	81.4	. . . .	. . . .	94.4
1962	90.6	. . . .	89.9	91.7	94.0	87.9	97.3	90.9	92.5	83.5	. . . .	. . . .	94.7
1963	91.7	. . . .	91.2	92.7	95.0	89.0	98.2	91.9	93.0	85.6	. . . .	. . . .	95.0
1964	92.9	. . . .	92.4	93.8	95.9	90.8	98.4	92.7	94.3	87.3	. . . .	. . . .	94.6
1965	94.5	. . . .	94.4	94.9	96.9	92.7	98.3	93.7	95.9	89.5	. . . .	. . . .	96.3
1966	97.2	. . . .	99.1	97.2	98.2	96.3	98.8	96.1	97.2	93.4	. . . .	. . . .	97.8
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	104.2	103.6	103.6	104.0	102.4	105.7	101.3	105.4	103.2	106.1	105.7	105.2	101.5
1969	109.8	108.8	108.9	110.4	105.7	116.0	103.6	111.5	107.2	113.4	111.0	110.4	104.2
1970	116.3	114.7	114.9	118.2	110.1	128.5	107.6	116.1	112.7	120.6	116.7	116.8	107.0
1971	121.3	118.3	118.4	123.4	115.2	133.7	115.0	119.8	118.6	128.4	122.9	122.4	111.2
1972	125.3	123.2	123.5	128.1	119.2	140.1	120.1	122.3	119.9	132.5	126.5	127.5	114.3
1973	133.1	139.5	141.4	133.7	124.3	146.7	126.9	126.8	123.8	137.7	130.0	132.5	123.5
1974	147.7	158.7	161.7	148.8	130.6	163.2	150.2	136.2	137.7	150.5	139.8	142.0	159.7
1975	161.2	172.1	175.4	164.5	137.3	181.7	167.8	142.3	150.6	168.6	152.2	153.9	176.6
1976	170.5	177.4	180.8	174.6	144.7	191.7	182.7	147.6	165.5	184.7	159.8	162.7	189.3
1977	181.5	188.0	192.2	186.5	153.5	204.9	202.2	154.2	177.2	202.4	167.7	172.2	207.3
1978	195.4	206.3	211.4	202.8	164.0	227.2	216.0	159.6	185.5	219.4	176.6	183.3	220.4
1979	217.4	228.5	234.5	227.6	176.0	262.4	239.3	166.6	212.0	239.7	188.5	196.7	275.9

[1] Includes alcoholic beverages, not shown separately.

[2] Includes other items not shown separately. Series beginning 1967 not comparable with series for earlier years.

[3] Fuel oil, coal, and bottled gas; gas (piped) and electricity; and other utilities and public services.

[4] Fuel oil, coal, and bottled gas; gas (piped) and electricity; and motor fuel, motor oil, coolant, etc.

Note.—Data beginning 1978 are for all urban consumers; earlier data are for urban wage earners and clerical workers.

CONSUMER PRICE INDEXES, MAJOR EXPENDITURE CLASSES, 1929-82

[1967 = 100]

Year or month	All items	Food and beverages		Housing				Apparel and upkeep	Transportation	Medical care	Entertainment	Other goods and services	Energy[4]
		Total[1]	Food	Total[2]	Rent, residential	Home ownership	Fuel and other utilities[3]						
1980	246.8	248.0	254.6	263.3	191.6	314.0	278.6	178.4	249.7	265.9	205.3	214.5	361.1
1981	272.4	267.3	274.6	293.5	208.2	352.7	319.2	186.9	280.0	294.5	221.4	235.7	410.0
1982	289.1	278.2	285.7	314.7	224.0	376.8	350.8	191.8	291.5	328.7	235.8	259.9	416.1
1981:													
Jan	260.5	261.4	268.6	279.1	200.9	335.8	296.7	181.1	264.7	279.5	214.4	226.2	381.7
Feb	263.2	263.7	270.8	280.9	201.9	335.8	304.5	182.0	270.9	282.6	216.7	227.4	401.1
Mar	265.1	265.0	272.2	282.6	203.0	336.8	308.4	185.1	273.5	284.7	218.2	228.7	409.3
Apr	266.8	265.7	272.9	284.8	204.2	339.3	310.5	186.4	275.3	287.0	219.2	229.9	409.8
May	269.0	265.4	272.5	288.5	205.9	345.0	314.9	186.4	277.8	289.0	220.3	232.2	411.3
June	271.3	266.5	273.6	292.2	206.8	350.4	320.2	185.8	279.9	291.5	220.8	233.4	414.0
July	274.4	268.9	276.2	297.0	207.8	358.0	325.1	184.7	282.6	295.6	221.1	234.4	415.7
Aug	276.5	270.1	277.4	299.7	210.3	361.8	327.8	187.4	283.7	299.3	222.3	235.6	416.1
Sept	279.3	270.7	278.0	303.7	211.9	367.8	331.1	190.7	285.2	301.7	224.0	243.0	417.1
Oct	279.9	270.3	277.6	303.5	213.6	366.7	330.1	191.5	287.2	304.8	225.5	245.2	414.9
Nov	280.7	269.9	277.1	304.2	215.0	367.2	329.8	191.3	289.1	308.2	226.8	245.9	414.1
Dec	281.5	270.5	277.8	305.2	216.5	367.8	331.8	190.5	289.8	310.2	227.3	246.7	414.6
1982:													
Jan	282.5	273.6	281.0	306.1	217.8	367.5	336.2	187.3	289.9	313.4	229.2	248.4	416.4
Feb	283.4	275.8	283.3	307.3	218.6	368.7	337.1	188.0	288.0	316.2	231.2	250.3	413.0
Mar	283.1	275.6	283.0	306.7	219.6	365.7	339.3	191.1	285.1	318.8	232.8	252.2	406.1
Apr	284.3	276.5	283.9	309.4	220.1	370.6	339.2	191.9	282.9	321.7	233.9	253.8	395.7
May	287.1	278.1	285.5	313.8	221.8	377.4	345.2	191.5	285.6	323.8	234.4	255.0	402.1
June	290.6	280.2	287.8	317.5	222.6	382.8	352.2	190.8	292.8	326.4	235.6	255.8	418.6
July	292.2	280.8	288.5	319.2	224.8	384.5	354.7	189.7	296.1	330.0	236.6	257.2	424.5
Aug	292.8	279.9	287.4	320.1	226.0	385.9	356.3	191.8	296.2	333.3	237.4	258.3	424.5
Sept	293.3	280.1	287.6	319.7	226.9	383.0	359.5	194.9	295.3	336.0	238.3	266.6	424.2
Oct	294.1	279.6	287.0	320.7	228.9	382.8	363.4	195.5	295.5	338.7	240.3	271.2	425.0
Nov	293.6	279.1	286.4	319.0	230.2	379.5	362.2	195.4	295.8	342.2	239.9	273.8	422.6
Dec	292.4	279.1	286.5	316.3	230.8	372.9	364.1	193.6	294.8	344.3	240.1	276.6	419.9

[1] Includes alcoholic beverages, not shown separately.

[2] Includes other items not shown separately. Series beginning 1967 not comparable with series for earlier years.

[3] Fuel oil, coal, and bottled gas; gas (piped) and electricity; and other utilities and public services.

[4] Fuel oil, coal, and bottled gas; gas (piped) and electricity; and motor fuel, motor oil, coolant, etc.

Note.—Data beginning 1978 are for all urban consumers; earlier data are for urban wage earners and clerical workers.

PRODUCER PRICE INDEXES BY STAGE OF PROCESSING, 1947-82
[1967 = 100]

Year or month:	Finished goods									
	Total finished goods	Consumer foods			Finished goods excluding consumer foods					Total finished consumer goods
		Total	Crude	Processed	Total	Consumer goods			Capital equipment	
						Total	Durable	Nondurable		
1947	74.0	82.8	99.4	80.2	....	79.0	74.6	80.7	55.4	80.5
1948	79.9	90.4	107.1	87.6	....	84.0	79.7	85.8	60.4	86.5
1949	77.6	83.1	101.3	80.1	....	82.2	81.8	82.3	63.4	82.5
1950	79.0	84.7	92.2	83.4	....	83.5	82.7	83.6	64.9	83.9
1951	86.5	95.2	105.9	93.2	....	89.5	88.2	90.0	71.2	91.8
1952	86.0	94.3	112.8	91.3	....	88.3	88.9	87.8	72.4	90.7
1953	85.1	89.4	105.2	86.7	....	89.1	89.6	88.6	73.6	89.2
1954	85.3	88.7	94.7	87.6	....	89.4	90.3	88.9	74.5	89.1
1955	85.5	86.5	98.8	84.4	....	90.1	91.2	89.4	76.7	88.5
1956	87.9	86.3	98.7	84.3	....	92.3	94.3	91.1	82.4	89.8
1957	91.1	89.3	97.4	87.9	....	94.6	97.1	93.2	87.5	92.4
1958	93.2	94.5	103.5	93.1	....	94.7	98.4	92.6	89.8	94.4
1959	93.0	90.1	94.3	89.5	....	95.9	99.6	94.0	91.5	93.6
1960	93.7	92.1	100.6	90.7	....	96.3	99.2	94.7	91.7	94.5
1961	93.7	91.7	96.1	90.9	....	96.2	98.8	94.7	91.8	94.3
1962	94.0	92.5	97.0	91.7	....	96.0	98.3	94.8	92.2	94.6
1963	93.7	91.4	95.5	90.7	....	96.0	97.8	95.1	92.4	94.1
1964	94.1	91.9	98.2	90.8	....	95.9	98.2	94.8	93.3	94.3
1965	95.7	95.4	98.6	94.9	....	96.6	97.9	95.9	94.4	96.1
1966	98.8	101.6	104.8	101.0	....	98.1	98.5	97.8	96.8	99.4
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	102.8	103.6	107.5	103.0	102.6	102.1	102.2	102.2	103.5	102.7
1969	106.6	110.0	116.0	108.9	105.4	104.6	104.0	105.0	106.9	106.6
1970	110.3	113.5	116.3	113.1	109.1	107.7	106.9	108.3	112.0	109.9
1971	113.7	115.3	115.8	115.1	113.1	111.4	110.8	111.7	116.6	112.9
1972	117.2	121.7	121.2	121.7	115.4	113.5	113.3	113.6	119.5	116.6
1973	127.9	146.4	160.7	143.9	120.1	118.6	115.4	120.5	123.5	129.2
1974	147.5	166.9	180.8	164.6	139.3	138.6	125.9	146.8	141.0	149.3

PRODUCER PRICE INDEXES BY STAGE OF PROCESSING, 1947-82

[1967=100]

	Finished goods									
		Consumer foods			Finished goods excluding consumer foods					
						Consumer goods				
Year or month:	Total finished goods	Total	Crude	Processed	Total	Total	Durable	Nondurable	Capital equipment	Total finished consumer goods
1975	163.4	181.0	181.2	181.3	156.2	153.1	138.2	163.0	162.5	163.6
1976	170.6	180.4	193.9	177.8	166.1	162.6	144.5	174.8	173.4	169.7
1977	181.7	189.9	201.0	187.3	177.7	174.3	152.8	189.3	184.6	180.7
1978	195.9	207.2	216.8	204.6	190.7	186.7	166.9	200.0	199.2	194.9
1979	217.7	226.2	233.1	223.8	213.3	211.5	183.2	231.3	216.5	217.9
1980	247.0	239.5	237.2	237.8	247.8	250.8	206.2	283.9	239.8	248.9
1981	269.8	253.6	263.8	250.6	273.3	276.5	218.6	319.6	264.3	271.3
1982[1]	280.6	259.3	252.5	257.7	285.7	287.8	226.7	333.5	279.6	280.9
1981:										
Jan	260.9	251.0	257.9	248.4	262.4	265.1	214.9	302.7	254.6	262.5
Feb	263.3	251.3	265.6	247.9	265.5	268.5	215.1	308.4	256.7	265.0
Mar	266.0	252.6	279.7	248.1	268.7	272.5	214.0	316.0	258.1	268.2
Apr	268.5	251.9	279.3	247.4	272.1	276.1	216.6	320.4	260.8	270.6
May	269.6	252.8	263.1	249.8	273.3	277.0	218.1	321.0	262.5	271.5
June	270.5	253.8	258.9	251.3	274.1	277.7	218.2	322.0	263.8	272.3
July	271.8	257.6	262.7	255.0	274.7	277.9	218.1	322.5	265.4	273.5
Aug	271.5	256.3	256.9	254.2	274.6	277.7	218.3	322.1	265.8	273.0
Sept	271.5	256.2	253.5	254.4	274.7	277.9	215.8	324.2	265.3	273.1
Oct	274.3	254.0	253.8	252.0	279.1	281.6	224.5	324.3	271.5	275.1
Nov	274.7	252.7	260.0	249.9	280.0	282.4	224.7	325.4	273.0	275.2
Dec	275.4	252.9	273.9	249.0	280.9	283.2	225.4	326.3	274.1	275.8
1982:[1]										
Jan	277.9	256.4	280.6	252.1	283.0	285.2	226.2	329.3	276.2	278.3
Feb	277.9	258.2	282.5	254.0	282.4	284.9	224.0	330.3	275.0	278.6
Mar	277.3	257.1	263.3	254.5	281.9	284.0	223.9	328.8	275.8	277.7
Apr	277.3	260.0	266.6	257.3	281.1	282.3	224.1	325.7	277.2	277.3
May	277.8	262.3	259.9	260.3	281.0	281.8	225.0	324.3	278.1	277.7
June	279.9	263.4	254.7	262.0	283.4	284.8	225.9	328.7	279.2	280.1
July	281.7	260.6	241.0	260.2	286.7	288.8	226.7	335.3	280.2	282.1
Aug	282.3	259.7	239.2	259.4	287.9	290.2	227.5	337.2	280.7	282.8
Sept	281.4	259.9	227.8	260.6	286.6	289.1	223.2	338.4	279.5	282.0
Oct	284.1	257.8	232.0	258.0	290.8	293.3	231.1	339.7	283.8	284.2
Nov	284.9	257.6	235.6	257.4	291.9	294.6	230.8	342.4	284.0	285.2
Dec	285.1	258.2	247.2	257.1	292.0	294.3	231.5	341.4	285.1	285.1

PRODUCER PRICE INDEXES BY STAGE OF PROCESSING, 1947-82

[1967 = 100]

Year or month:	Intermediate materials, supplies, and components								Crude materials for further processing				
				Materials and components							Other		
	Total	Foods and feeds²	Other	For manufacturing	For construction	Processed fuels and lubricants	Containers	Supplies	Total	Foodstuffs and feedstuffs	Total	Fuel	Other
1947	72.4	....	70.0	72.1	66.0	85.5	66.8	77.5	101.2	111.7	....	66.6	90.6
1948	78.3	....	76.1	77.8	73.1	96.9	69.8	81.0	110.9	120.8	....	78.7	100.7
1949	75.2	....	74.2	74.5	73.2	88.2	70.1	76.3	96.0	100.3	....	78.3	91.6
1950	78.6	....	77.7	78.1	77.0	89.9	72.0	78.9	104.6	107.6	....	77.9	104.7
1951	88.1	....	87.0	88.5	84.3	93.9	84.5	88.8	120.1	124.5	....	79.4	120.7
1952	85.5	....	84.3	84.8	83.7	92.8	79.9	88.8	110.3	117.2	....	79.9	104.6
1953	86.0	....	85.3	86.2	85.1	93.4	80.0	84.3	101.9	104.9	....	82.7	100.1
1954	86.5	....	85.7	86.3	85.5	93.3	81.5	86.3	101.0	104.9	....	79.0	98.2
1955	88.1	....	88.3	88.4	88.9	93.3	82.6	84.8	97.1	95.1	....	78.8	103.8
1956	92.0	....	92.6	92.6	93.5	96.2	88.6	87.1	97.6	93.1	....	84.4	107.6
1957	94.1	....	95.0	94.8	94.0	101.9	92.5	88.0	98.8	97.2	....	89.2	106.2
1958	94.3	....	94.8	95.2	94.0	96.0	94.7	90.0	102.0	103.0	....	90.3	102.2
1959	95.6	....	96.4	96.5	96.6	95.6	94.2	91.2	99.4	96.2	....	91.9	105.8
1960	95.6	....	96.8	96.5	95.9	98.2	95.5	90.7	97.0	95.1	....	92.8	101.4
1961	95.0	....	95.5	95.3	94.6	99.4	94.7	91.8	96.5	93.8	....	92.6	102.5
1962	94.9	....	95.3	94.7	94.2	99.0	95.9	93.8	97.5	95.7	....	92.1	102.0
1963	95.2	....	95.0	94.9	94.5	98.1	94.7	95.2	95.4	92.9	....	93.2	100.7
1964	95.5	....	95.6	95.9	95.4	96.0	94.0	94.3	94.5	90.8	....	92.8	102.4
1965	96.8	....	96.9	97.4	96.2	97.4	95.8	95.2	99.3	97.1	....	93.5	104.5
1966	99.2	....	98.9	99.3	98.8	99.2	98.4	99.4	105.7	105.9	....	96.3	106.7
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	102.3	99.4	102.5	102.2	105.0	97.6	102.4	101.0	101.6	101.3	102.2	102.3	102.1
1969	105.8	102.7	106.1	105.8	110.8	98.5	106.3	102.8	108.4	109.3	106.8	106.6	106.9
1970	109.9	109.1	109.9	110.0	112.6	105.0	111.4	108.0	112.3	112.0	112.7	122.6	109.8
1971	114.1	111.7	114.3	112.8	119.7	115.2	116.6	111.0	115.1	114.2	117.0	139.0	110.7
1972	118.7	118.5	118.9	117.0	126.2	118.9	121.9	115.6	127.6	127.5	128.0	148.7	121.9
1973	131.6	168.4	128.1	127.7	136.7	131.5	129.2	140.6	174.0	180.0	162.5	164.5	161.5
1974	162.9	200.2	159.5	162.2	161.6	199.1	152.2	154.5	196.1	189.4	208.9	219.4	205.4
1975	180.0	195.3	178.6	178.7	176.4	233.0	171.4	168.1	196.9	191.8	206.9	271.5	188.3
1976	189.1	185.3	189.4	185.4	188.4	250.1	180.2	179.0	207.7	190.2	228.5	305.3	206.7
1977	201.5	190.5	202.3	195.4	203.4	282.5	188.3	188.7	209.2	192.1	245.0	372.1	212.2
1978	215.6	203.1	216.5	208.7	224.7	295.3	202.8	198.5	234.4	216.2	272.3	426.8	213.1
1979	243.2	226.1	244.4	234.4	247.4	364.8	226.8	218.2	274.3	247.9	330.0	507.6	284.5
1980	280.3	252.6	282.3	265.7	268.3	503.0	254.5	244.5	304.6	259.2	401.0	615.0	346.1
1981	306.0	250.3	310.1	286.1	287.6	595.4	276.1	263.8	329.0	257.4	482.3	751.2	413.7
1982[1]	310.4	239.6	315.7	290.1	293.5	591.8	285.5	272.2	319.5	247.8	474.0	886.3	376.9

PRODUCER PRICE INDEXES BY STAGE OF PROCESSING, 1947-82

[1967 = 100]

Year or month:	Intermediate materials, supplies, and components								Crude materials for further processing				
				Materials and components							Other		
	Total	Foods and feeds[2]	Other	For manufacturing	For construction	Processed fuels and lubricants	Containers	Supplies	Total	Foodstuffs and feedstuffs	Total	Fuel	Other
1981:													
Jan	296.1	270.9	298.0	279.6	279.2	551.9	264.6	257.8	328.0	270.7	450.1	677.4	391.0
Feb	298.3	261.3	301.0	280.3	280.3	569.8	268.2	257.8	336.5	267.1	484.9	697.7	427.9
Mar	302.0	255.6	305.4	281.6	282.7	596.3	270.9	258.9	334.2	262.1	488.4	703.6	430.9
Apr	305.8	254.9	309.5	284.1	288.0	608.5	274.3	262.4	336.3	263.5	492.1	716.6	432.5
May	306.7	253.1	310.7	285.1	288.5	608.7	276.4	264.0	334.4	260.6	492.4	738.4	428.3
June	307.2	253.2	311.2	285.8	289.6	605.7	277.2	264.6	335.4	264.3	487.4	759.2	418.1
July	308.5	251.1	312.7	287.9	290.4	602.0	278.8	266.0	337.3	267.2	487.2	781.2	413.1
Aug	310.1	250.2	314.5	289.8	290.7	607.8	280.3	266.1	333.0	261.8	485.3	766.7	413.9
Sept	309.7	243.5	314.6	290.2	290.0	601.4	280.6	266.1	327.4	253.4	486.0	788.7	410.2
Oct	309.4	239.3	314.6	290.2	290.1	596.9	280.9	266.6	319.9	245.7	479.2	779.0	404.1
Nov	309.0	235.2	314.5	289.5	290.2	595.1	280.6	267.2	313.9	238.3	476.3	792.5	397.8
Dec	309.4	235.2	314.9	289.3	291.1	598.1	280.2	268.3	311.5	233.7	478.6	813.0	396.2
1982:[1]													
Jan	311.0	238.8	316.4	290.4	292.0	604.4	282.5	269.8	318.4	242.6	481.5	812.9	399.5
Feb	311.1	239.4	316.4	290.9	293.0	596.8	285.5	270.4	321.6	248.3	479.3	824.5	394.8
Mar	310.6	237.7	316.0	290.4	293.3	593.0	286.3	270.6	320.0	247.9	475.2	839.7	387.1
Apr	309.9	240.9	315.1	290.6	294.0	579.9	287.0	272.1	322.6	254.4	469.9	851.2	378.8
May	309.8	245.0	314.6	291.4	293.7	570.9	287.0	273.4	328.3	262.6	470.2	864.8	376.6
June	309.9	245.1	314.7	289.8	294.5	581.1	286.5	273.4	325.6	259.9	467.7	883.9	370.0
July	311.1	243.6	316.1	289.2	294.3	600.7	286.3	273.1	323.4	255.5	469.8	901.3	369.2
Aug	310.8	240.2	316.0	288.7	293.5	603.8	285.4	272.6	319.8	249.6	471.0	906.9	369.5
Sept	310.7	238.4	316.0	290.2	293.4	593.2	285.5	272.5	316.3	242.9	474.3	926.3	369.6
Oct	310.0	234.8	315.5	289.5	293.2	590.2	285.1	272.3	312.2	236.3	475.4	919.4	372.2
Nov	310.1	234.6	315.7	288.9	293.0	594.3	284.7	273.0	313.4	236.3	479.0	955.3	369.5
Dec	310.2	235.4	315.7	288.7	294.5	593.6	284.6	273.2	312.6	237.0	475.0	949.5	366.0

[1] Data have been revised through August 1982 to reflect the availability of late reports and corrections by respondents. All data are subject to revision 4 months after original publication.

[2] Intermediate materials for food manufacturing and feeds.

PRODUCER PRICE INDEXES FOR MAJOR COMMODITY GROUPS, 1940-82

[1967 = 100]

	Farm products and processed foods and feeds			Industrial commodities				
Year or month:	Total	Farm products	Processed foods and feeds	Total	Textile products and apparel	Hides, skins, leather, and related products	Fuels and related products, and power[1]	Chemicals and allied products[1]
1940	....	41.4	....	44.0	....	45.2	51.4	52.4
1941	....	50.3	....	47.3	....	48.4	54.6	57.0
1942	....	64.8	....	50.7	....	52.8	56.2	63.3
1943	....	75.0	....	51.5	....	52.7	57.8	64.1
1944	....	75.5	....	52.3	....	52.2	59.5	64.8
1945	....	78.5	....	53.0	....	52.9	60.1	65.2
1946	....	90.9	....	58.0	....	61.1	64.4	70.5
1947	94.3	109.4	82.9	70.8	103.6	83.3	76.9	93.7
1948	101.5	117.5	88.7	76.9	108.1	84.2	90.5	95.9
1949	89.6	101.6	80.6	75.3	98.9	79.9	86.2	87.6
1950	93.9	106.7	83.4	78.0	102.7	86.3	87.1	88.9
1951	106.9	124.2	92.7	86.1	114.6	99.1	90.3	101.7
1952	102.7	117.2	91.6	84.1	103.4	80.1	90.1	96.5
1953	96.0	106.2	87.4	84.8	100.8	81.3	92.6	97.7
1954	95.7	104.7	88.9	85.0	98.6	77.6	91.3	98.9
1955	91.2	98.2	85.0	86.9	98.7	77.3	91.2	98.5
1956	90.6	96.9	84.9	90.8	98.7	81.9	94.0	99.1
1957	93.7	99.5	87.4	93.3	98.8	82.0	99.1	101.2
1958	98.1	103.9	91.8	93.6	97.0	82.9	95.3	102.0
1959	93.5	97.5	89.4	95.3	98.4	94.2	95.3	101.6
1960	93.7	97.2	89.5	95.3	99.5	90.8	96.1	101.8
1961	93.7	96.3	91.0	94.8	97.7	91.7	97.2	100.7
1962	94.7	98.0	91.9	94.8	98.6	92.7	96.7	99.1
1963	93.8	96.0	92.5	94.7	98.5	90.0	96.3	97.9
1964	93.2	94.6	92.3	95.2	99.2	90.3	93.7	98.3
1965	97.1	98.7	95.5	96.4	99.8	94.3	95.5	99.0
1966	103.5	105.9	101.2	98.5	100.1	103.4	97.8	99.4
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	102.4	102.5	102.2	102.5	103.7	103.2	98.9	99.8
1969	108.0	109.1	107.3	106.0	106.0	108.9	100.9	99.9
1970	111.7	111.0	112.1	110.0	107.1	110.3	106.2	102.2
1971	113.9	112.9	114.5	114.1	109.0	114.1	115.2	104.1
1972	122.4	125.0	120.8	117.9	113.6	131.3	118.6	104.2
1973	159.1	176.3	148.1	125.9	123.8	143.1	134.3	110.0
1974	177.4	187.7	170.9	153.8	139.1	145.1	208.3	146.8
1975	184.2	186.7	182.6	171.5	137.9	148.5	245.1	181.3
1976	183.1	191.0	178.0	182.4	148.2	167.8	265.6	187.2
1977	188.8	192.5	186.1	195.1	154.0	179.3	302.2	192.8
1978	206.6	212.5	202.6	209.4	159.8	200.0	322.5	198.8
1979	229.8	241.4	222.5	236.5	168.7	252.4	408.1	222.3

PRODUCER PRICE INDEXES FOR MAJOR COMMODITY GROUPS, 1940-82

[1967 = 100]

Year or month:	Farm products and processed foods and feeds			Industrial commodities				
	Total	Farm products	Processed foods and feeds	Total	Textile products and apparel	Hides, skins, leather, and related products	Fuels and related products, and power[1]	Chemicals and allied products[1]
1980	244.7	249.4	241.2	274.8	183.5	248.9	574.0	260.3
1981	251.5	254.9	248.7	304.1	199.7	260.9	694.5	287.6
1982[2]	248.9	242.3	251.5	312.3	204.3	263.0	693.4	292.4
1981:								
Jan	257.9	264.5	253.3	291.5	193.1	258.2	634.6	274.3
Feb	255.1	262.4	250.2	295.7	193.9	257.7	667.5	277.6
Mar	253.5	260.7	248.5	299.6	195.2	261.2	696.5	280.4
Apr	253.8	263.3	247.6	303.5	197.6	263.5	707.2	286.0
May	252.9	259.6	248.2	304.7	199.2	263.7	709.0	288.6
June . . .	254.3	260.7	249.9	305.1	200.1	261.6	707.6	290.5
July	256.8	263.3	252.2	306.2	201.3	261.1	704.9	291.3
Aug	254.2	257.9	251.2	307.2	202.4	261.3	704.3	293.3
Sept	250.3	251.1	248.9	307.4	202.9	261.7	703.5	293.3
Oct	246.0	243.1	246.6	309.0	204.0	260.0	698.1	292.4
Nov	242.5	237.4	244.3	309.3	203.6	259.8	698.1	292.0
Dec	241.0	234.6	243.6	310.0	203.4	260.7	702.5	291.8
1982:[2]								
Jan	246.0	242.2	247.1	311.8	205.0	261.8	705.1	292.9
Feb	248.4	247.1	248.1	311.6	205.6	261.6	697.8	293.6
Mar	247.5	244.7	248.1	311.0	205.0	260.6	689.7	294.6
Apr	251.6	250.6	251.1	309.9	205.4	263.4	670.6	294.3
May	255.8	256.5	254.4	309.6	205.4	263.2	662.2	295.0
June . . .	255.3	252.7	255.8	310.6	205.0	261.8	677.3	293.3
July	252.4	246.6	254.6	312.8	204.1	263.1	701.1	291.6
Aug	249.6	240.8	253.5	313.2	204.2	262.0	705.6	291.6
Sept	247.5	234.4	253.6	312.9	203.8	264.8	701.8	291.4
Oct	243.9	229.1	251.0	314.4	202.6	264.7	699.6	290.4
Nov	244.0	230.6	250.4	315.1	203.5	264.3	707.3	290.5
Dec	244.8	232.5	250.6	315.0	202.4	265.2	702.6	289.3

[1] Prices for some items in this grouping are lagged and refer to 1 month earlier than the index month.

[2] Data have been revised through August 1982 to reflect the availability of late reports and corrections by respondents. All data are subject to revision 4 months after original publication.

[3] Index for total transportation equipment is not shown but is available beginning December 1968.

PRODUCER PRICE INDEXES FOR MAJOR COMMODITY GROUPS, 1940-82

[1967 = 100]

	Industrial commodities								
Year or month:	Rubber and plastic products	Lumber and wood products	Pulp, paper, and allied products	Metals and metal products	Machinery and equipment	Furniture and household durables	Non-metallic mineral products	Transportation equipment: Motor vehicles and equipment[3]	Miscellaneous products
1940	57.1	27.4	....	37.8	41.4	53.8	49.1	40.4	....
1941	61.5	32.7	....	38.5	42.1	57.2	50.2	43.2	....
1942	71.6	35.6	....	39.1	42.8	61.8	52.3	47.2	....
1943	73.6	37.7	....	39.0	42.4	61.4	52.4	47.2	....
1944	72.7	40.6	....	39.0	42.1	63.1	53.5	47.5	....
1945	70.5	41.2	....	39.6	42.2	63.2	55.7	48.3	....
1946	70.8	47.2	....	44.3	46.4	67.1	59.3	56.0	....
1947	70.5	73.4	72.5	54.9	53.7	77.0	66.3	64.1	73.5
1948	72.8	84.0	75.7	62.5	58.2	81.6	71.6	70.8	76.5
1949	70.5	77.7	72.4	63.0	61.0	82.9	73.5	75.7	78.0
1950	85.9	89.3	74.3	66.3	63.1	84.7	75.4	75.3	79.2
1951	105.4	97.2	88.0	73.8	70.5	91.8	80.1	79.4	83.9
1952	95.5	94.4	85.7	73.9	70.6	90.1	80.1	84.0	83.4
1953	89.1	94.3	85.5	76.3	72.2	91.9	83.3	83.6	85.6
1954	90.4	92.6	85.5	76.9	73.4	92.9	85.1	83.8	86.4
1955	102.4	97.1	87.8	82.1	75.7	93.3	87.5	86.3	86.5
1956	103.8	98.5	93.6	89.2	81.8	95.8	91.3	91.2	87.6
1957	103.4	93.5	95.4	91.0	87.6	98.3	94.8	95.1	90.2
1958	103.3	92.4	96.4	90.4	89.4	99.1	95.8	98.1	92.0
1959	102.9	98.8	97.3	92.3	91.3	99.3	97.0	100.3	92.2
1960	103.1	95.3	98.1	92.4	92.0	99.0	97.2	98.8	93.0
1961	99.2	91.0	95.2	91.9	91.9	98.4	97.6	98.6	93.3
1962	96.3	91.6	96.3	91.2	92.0	97.7	97.6	98.6	93.7
1963	96.8	93.5	95.6	91.3	92.2	97.0	97.1	97.8	94.5
1964	95.5	95.4	95.4	93.8	92.8	97.4	97.3	98.3	95.2
1965	95.9	95.9	96.2	96.4	93.9	96.9	97.5	98.5	95.9
1966	97.8	100.2	98.8	98.8	96.8	98.0	98.4	98.6	97.7
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968	103.4	113.3	101.1	102.6	103.2	102.8	103.7	102.8	102.2
1969	105.3	125.3	104.0	108.5	106.5	104.9	107.7	104.8	105.2
1970	108.3	113.6	108.2	116.6	111.4	107.5	112.9	108.7	109.9
1971	109.1	127.3	110.1	118.7	115.5	110.0	122.4	114.9	112.9
1972	109.3	144.3	113.4	123.5	117.9	111.4	126.1	118.0	114.6
1973	112.4	177.2	122.1	132.8	121.7	115.2	130.2	119.2	119.7
1974	136.2	183.6	151.7	171.9	139.4	127.9	153.2	129.2	133.1
1975	150.2	176.9	170.4	185.6	161.4	139.7	174.0	144.6	147.7
1976	159.2	205.6	179.4	195.9	171.0	145.6	186.3	153.8	153.7
1977	167.6	236.3	186.4	209.0	181.7	151.5	200.5	163.7	164.3
1978	174.8	276.0	195.6	227.1	196.1	160.4	222.8	176.0	184.3
1979	194.3	300.4	219.0	259.3	213.9	171.3	248.6	190.5	208.7

PRODUCER PRICE INDEXES FOR MAJOR COMMODITY GROUPS, 1940-82
[1967 = 100]

	Industrial commodities								
Year or month:	Rubber and plastic products	Lumber and wood products	Pulp, paper, and allied products	Metals and metal products	Machinery and equipment	Furniture and household durables	Non-metallic mineral products	Transportation equipment: Motor vehicles and equipment[3]	Miscellaneous products
1980	217.4	288.9	249.2	286.4	239.8	187.7	283.0	208.8	258.8
1981	232.6	292.8	273.8	300.4	263.3	198.5	309.5	237.6	265.7
1982[2]	241.6	284.7	288.6	301.8	278.7	206.8	320.2	251.3	276.6
1981:									
Jan	224.8	296.5	264.4	294.0	253.3	194.0	296.6	229.0	264.3
Feb	226.4	294.7	267.2	294.0	255.3	195.2	297.9	230.9	264.9
Mar	228.4	294.4	269.0	296.4	257.5	195.8	300.9	229.5	264.0
Apr	230.8	299.4	271.4	298.8	259.6	196.4	310.8	233.9	266.0
May	231.8	298.4	272.1	299.1	260.7	197.4	312.0	236.0	266.9
June	233.4	298.1	272.9	298.4	262.1	197.3	313.6	236.7	266.3
July	232.1	296.5	274.9	302.0	264.8	199.5	314.3	237.4	263.2
Aug	234.1	294.5	275.9	304.1	266.2	199.6	314.1	238.4	262.6
Sept	235.7	289.3	277.8	304.9	268.1	201.0	313.2	232.8	267.0
Oct	237.3	284.3	279.2	305.3	269.3	201.3	313.3	247.8	268.5
Nov	238.0	282.1	280.4	304.2	270.4	202.1	313.7	248.9	267.5
Dec	238.3	285.4	281.0	303.3	272.0	202.9	313.5	249.5	267.6
1982:[2]									
Jan	237.3	285.5	285.5	304.7	274.1	203.5	315.6	250.8	268.3
Feb	239.3	285.2	286.3	304.2	275.4	204.6	319.0	246.8	273.5
Mar	240.8	285.3	287.4	302.9	276.2	205.5	319.9	246.8	272.7
Apr	241.1	286.5	288.5	303.1	277.6	206.0	320.2	247.2	273.2
May	242.1	284.6	289.6	302.8	278.2	206.5	321.2	249.2	272.2
June	242.5	289.0	289.5	299.3	278.6	207.0	320.9	251.1	271.5
July	242.0	288.6	289.1	299.5	279.6	206.8	321.1	252.0	273.4
Aug	242.6	284.2	289.3	299.2	279.9	208.1	320.5	252.8	272.0
Sept	243.3	283.0	289.2	301.8	280.3	207.7	320.2	245.0	280.3
Oct	243.0	279.6	289.2	302.1	280.9	208.4	321.2	258.1	285.9
Nov	242.6	279.9	289.6	301.0	281.3	208.3	321.5	257.5	285.7
Dec	243.0	284.8	289.5	300.9	281.8	208.6	320.9	257.9	290.3

[1] Prices for some items in this grouping are lagged and refer to 1 month earlier than the index month.

[2] Data have been revised through August 1982 to reflect the availability of late reports and corrections by respondents. All data are subject to revision 4 months after original publication.

[3] Index for total transportation equipment is not shown but is available beginning December 1968.

MONEY STOCK MEASURES AND LIQUID ASSETS, 1959-82

[Averages of daily figures; billions of dollars, seasonally adjusted]

Year and month:	M1 Sum of currency, demand deposits, travelers' checks, and other checkable deposits (OCD)[1]	M2 M1 plus overnight RPs and Eurodollars, MMMF balances (general purpose and broker/dealer), and savings and small time deposits[2]	M3 M2 plus large time deposits, term RPs, and institution-only MMMF balances	L M3 plus other liquid assets	Percent change from year or 6 months earlier[3]		
					M1	M2	M3
December:							
1959	140.9	297.7	298.9	388.4	. . .	. . .	. . .
1960	141.9	312.3	314.3	403.4	0.7	4.9	5.2
1961	146.5	335.5	339.4	430.5	3.2	7.4	8.0
1962	149.2	362.8	369.7	465.9	1.8	8.1	8.9
1963	154.7	393.4	404.1	503.7	3.7	8.4	9.3
1964	161.9	425.1	440.2	540.5	4.7	8.1	8.9
1965	169.5	459.5	480.7	584.5	4.7	8.1	9.2
1966	173.7	481.3	504.9	616.5	2.5	4.7	5.0
1967	185.1	526.6	558.6	670.1	6.6	9.4	10.6
1968	199.4	569.4	608.4	733.9	7.7	8.1	8.9
1969	205.8	591.3	614.1	765.2	3.2	3.8	.9
1970	216.5	628.8	675.2	816.5	5.2	6.3	9.9
1971	230.6	713.6	773.7	903.2	6.5	13.5	14.6
1972	251.9	806.4	882.8	1,023.6	9.2	13.0	14.1
1973	265.8	863.2	981.4	1,143.8	5.5	7.0	11.2
1974	277.4	911.2	1,064.3	1,249.8	4.4	5.6	8.4
1975	291.0	1,026.9	1,166.2	1,376.6	4.9	12.7	9.6
1976	310.4	1,171.2	1,305.0	1,531.4	6.7	14.1	11.9
1977	335.5	1,297.7	1,464.6	1,724.3	8.1	10.8	12.2
1978	363.2	1,403.9	1,629.0	1,938.9	8.3	8.2	11.2
1979	389.0	1,518.9	1,779.4	2,153.9	7.1	8.2	9.2
1980	414.5	1,656.2	1,963.1	2,370.4	6.6	9.0	10.3
1981	440.9	1,822.7	2,188.1	2,642.8	6.4	10.1	11.5
1982[p]	478.5	1,999.1	2,403.7	. . . .	8.5	9.7	9.9

MONEY STOCK MEASURES AND LIQUID ASSETS, 1959-82

[Averages of daily figures; billions of dollars, seasonally adjusted]

Year and month:	M1 — Sum of currency, demand deposits, travelers' checks, and other checkable deposits (OCD)[1]	M2 — M1 plus overnight RPs and Eurodollars, MMMF balances (general purpose and broker/dealer), and savings and small time deposits[2]	M3 — M2 plus large time deposits, term RPs, and institution-only MMMF balances	L — M3 plus other liquid assets	Percent change from year or 6 months earlier[3] M1	M2	M3
1981:							
Jan	417.9	1,665.7	1,984.2	2,397.3	10.3	8.6	11.7
Feb	419.4	1,678.2	2,001.9	2,418.2	7.2	7.6	10.8
Mar	424.4	1,701.1	2,024.0	2,438.0	6.8	9.0	11.8
Apr	433.3	1,723.2	2,046.3	2,455.5	8.8	10.4	12.3
May	429.2	1,732.4	2,065.2	2,483.1	5.7	9.4	11.9
June	428.4	1,740.9	2,082.1	2,506.6	6.8	10.5	12.5
July	429.4	1,753.7	2,102.5	2,530.4	5.6	10.8	12.3
Aug	431.1	1,772.4	2,126.0	2,559.7	5.7	11.5	12.8
Sept	431.2	1,778.3	2,138.1	2,577.2	3.2	9.3	11.6
Oct	432.9	1,789.5	2,151.1	2,600.0	−.2	7.8	10.5
Nov	436.4	1,809.9	2,174.7	2,629.3	3.4	9.1	10.9
Dec	440.9	1,822.7	2,188.1	2,642.8	5.9	9.6	10.4
1982:							
Jan	448.6	1,841.3	2,204.3	2,667.9	9.1	10.2	9.9
Feb	447.3	1,848.1	2,215.1	2,690.5	7.7	8.7	8.6
Mar	448.3	1,865.3	2,235.9	2,717.2	8.1	10.0	9.4
Apr	452.4	1,880.9	2,258.3	2,744.2	9.2	10.5	10.2
May	451.5	1,897.7	2,279.5	2,774.4	7.0	9.9	9.9
June	451.4	1,908.2	2,296.2	2,799.5	4.8	9.6	10.1
July	451.3	1,923.8	2,320.6	2,831.9	1.2	9.2	10.8
Aug	455.2	1,946.8	2,356.4	2,858.2	3.6	11.0	13.2
Sept	460.5	1,955.0	2,364.2	....	5.5	9.8	11.8
Oct	468.4	1,968.2	2,382.1	....	7.2	9.5	11.3
Nov	475.0	1,987.2	2,401.2	....	10.7	9.7	11.0
Dec[p]	478.5	1,999.1	2,403.7	....	12.4	9.8	9.6

[1] Net of demand deposits due to foreign commercial banks and official institutions.

[2] M2 will differ from the sum of components shown in next table by a consolidation adjustment that represents the estimated amount of demand deposits and vault cash held by thrift institutions to service time and savings deposits.

[3] Monthly percent changes are from 6 months earlier at a compound annual rate.

Note.—See next table for components, except travelers checks not shown separately.

COMPONENTS OF MONEY STOCK MEASURES AND LIQUID ASSETS, 1959-82

[Averages of daily figures; billions of dollars, seasonally adjusted, except as noted]

Period	Currency	Demand deposits[1]	Other checkable deposits	Overnight repurchase agreements (RPs) (net) NSA	Overnight Eurodollars NSA	Money market mutual fund (MMMF) balances		Savings deposits	Small denomination time deposits[2]	Large denomination time deposits[2]	Term repurchase agreements (RPs) NSA	Term Eurodollars (net) NSA	Savings bonds	Short-term Treasury securities	Bankers' acceptances	Commercial paper
						General purpose and broker/dealer NSA	Institution only NSA									
December:																
1959	28.9	111.6	0.0	0.0	0.0	0.0	0.0	146.0	11.8	1.2	0.0	0.7	46.1	38.6	0.5	3.6
1960	29.0	112.5	.0	.0	.0	.0	.0	158.7	12.9	2.0	.0	.8	45.7	36.7	.8	5.1
1961	29.6	116.5	.0	.0	.0	.0	.0	175.0	15.2	3.9	.0	1.4	46.5	37.0	1.0	5.2
1962	30.6	118.1	.0	.0	.0	.0	.0	194.3	20.7	6.9	.0	1.6	46.9	39.8	1.0	6.8
1963	32.5	121.7	.1	.0	.0	.0	.0	213.9	26.2	10.7	.0	1.9	48.1	40.7	1.1	7.7
1964	34.3	127.0	.1	.0	.0	.0	.0	234.8	29.9	15.2	.0	2.4	49.0	38.5	1.2	9.1
1965	36.3	132.5	.1	.0	.0	.0	.0	256.5	35.2	21.2	.0	1.7	49.6	40.7	1.5	10.2
1966	38.3	134.6	.1	.5	.0	.0	.0	252.8	55.9	23.1	.5	2.1	50.2	43.2	1.6	14.4
1967	40.4	143.9	.1	1.1	.0	.0	.0	263.3	79.0	31.0	1.0	2.1	51.2	38.7	1.7	17.8
1968	43.4	155.1	.1	1.6	.0	.0	.0	268.5	101.9	37.4	1.5	2.9	51.8	46.1	2.2	22.5
1969	46.1	158.8	.1	2.5	.0	.0	.0	263.2	121.7	20.4	2.4	2.7	51.7	59.5	3.2	34.0
1970	49.1	166.3	.1	1.4	.0	.0	.0	259.3	153.6	45.0	1.4	2.2	52.0	49.2	3.3	34.5
1971	52.5	176.8	.2	2.5	.0	.0	.0	290.8	192.0	57.6	2.5	2.7	54.3	36.3	3.5	32.7
1972	56.8	193.6	.2	3.1	.0	.0	.0	320.2	233.9	73.2	3.3	3.6	57.6	41.1	3.3	35.2
1973	61.5	202.5	.3	6.8	.0	.1	.0	325.9	267.6	111.2	7.1	5.4	60.4	50.0	4.7	41.9
1974	67.8	207.4	.4	7.2	.0	2.1	.2	337.6	290.0	144.4	8.4	8.0	63.2	53.6	10.6	50.1
1975	73.8	214.1	.9	7.5	.0	3.2	.4	387.7	340.9	129.8	9.0	9.7	67.2	77.1	8.4	48.0
1976	80.6	224.4	2.7	13.7	.0	2.8	.5	451.7	396.5	118.2	15.0	13.1	71.7	81.1	8.8	51.7
1977	88.6	239.6	4.2	17.8	1.0	2.9	.9	490.4	454.1	143.2	21.0	18.7	76.4	89.9	11.8	62.9
1978	97.4	253.9	8.4	22.1	2.0	7.1	3.1	479.9	533.9	194.6	27.5	29.9	80.3	99.3	21.4	79.2
1979	106.1	262.2	16.9	22.7	3.6	34.4	9.3	421.7	652.6	221.8	30.2	42.9	79.6	128.5	26.5	97.0
1980	116.2	267.2	26.9	30.5	4.5	61.9	13.9	398.9	751.7	257.9	37.8	48.4	72.3	156.7	31.8	98.1
1981	123.1	236.4	77.0	31.4	6.7	151.2	33.7	343.6	854.7	300.3	35.4	66.7	67.7	176.5	39.7	104.2
1982[p]	132.6	240.2	101.3	39.5	6.1	177.5	43.1	400.3	904.2	332.6	33.6	.....	.....	.....	.....	....
1981:																
Jan.	116.3	254.1	43.2	30.6	5.2	65.8	15.0	384.5	768.1	267.5	39.2	50.2	71.7	161.1	32.4	97.7
Feb.	117.2	244.8	53.3	30.4	4.9	75.2	17.3	378.5	775.7	271.7	38.1	52.2	71.0	163.6	32.5	97.0
Mar.	117.8	243.0	59.5	31.9	4.6	85.4	20.2	378.5	782.0	269.8	36.1	52.1	70.6	161.9	33.3	96.1
Apr.	119.1	243.5	66.5	31.8	5.0	96.0	21.3	378.8	784.1	267.6	36.7	52.6	70.3	157.6	34.5	94.2
May	119.4	240.4	65.2	34.5	6.5	98.8	19.5	373.5	795.8	278.3	37.7	57.0	70.0	158.2	35.6	97.1
June	119.7	237.7	66.7	36.5	6.4	102.9	20.1	366.8	805.5	285.6	38.8	57.9	69.7	160.3	36.4	100.3

COMPONENTS OF MONEY STOCK MEASURES AND LIQUID ASSETS, 1959-82

[Averages of daily figures; billions of dollars, seasonally adjusted, except as noted]

Period	Currency	Demand deposits[1]	Other checkable deposits	Overnight repurchase agreements (RPs) (net) NSA	Overnight Eurodollars NSA	Money market mutual fund (MMMF) balances		Savings deposits	Small denomination time deposits[2]	Large denomination time deposits[2]	Term repurchase agreements (RPs) NSA	Term Eurodollars (net) NSA	Savings bonds	Short-term Treasury securities	Bankers' acceptances	Commercial paper
						General purpose and broker/dealer NSA	Institution only NSA									
July	120.5	236.7	68.1	35.4	6.9	112.8	21.6	361.0	814.0	293.1	37.2	58.7	69.4	161.8	37.1	100.8
Aug.	120.7	236.6	69.5	35.3	7.8	122.2	23.3	350.9	830.8	299.8	33.4	61.0	68.9	164.1	37.3	102.4
Sept.	121.1	234.7	71.2	32.7	6.9	130.6	26.6	343.1	839.7	302.3	33.8	61.2	68.4	168.1	37.6	103.8
Oct.	121.3	235.7	71.6	30.2	5.9	137.3	29.4	339.6	849.8	302.2	33.4	63.4	67.9	176.0	37.1	104.4
Nov.	121.8	235.7	74.7	30.4	6.5	144.9	32.0	340.9	856.8	300.6	35.6	65.5	67.7	179.9	38.1	103.7
Dec.	123.1	236.4	77.0	31.4	6.7	151.2	33.7	343.6	854.7	300.3	35.4	66.7	67.7	176.5	39.7	104.2
1982:																
Jan.	123.8	239.3	81.1	35.7	7.5	154.9	32.5	348.8	852.3	302.6	32.5	69.9	67.8	180.3	40.2	105.5
Feb.	124.6	234.5	83.8	35.6	7.3	156.1	30.5	348.6	859.4	308.0	32.5	73.8	67.8	186.4	39.1	108.4
Mar.	125.1	233.0	85.8	36.7	6.3	159.4	31.5	350.7	869.9	312.6	31.5	74.4	67.7	191.0	37.9	110.3
Apr.	126.3	233.0	88.6	34.6	5.8	162.1	31.5	350.5	881.6	317.2	34.2	78.5	67.7	191.7	38.3	109.7
May	127.4	232.7	87.0	35.8	7.0	164.6	32.8	350.9	894.1	321.6	32.6	83.3	67.7	191.9	39.9	112.1
June	128.4	231.0	87.5	36.0	7.0	168.9	33.7	349.9	900.9	328.3	31.2	84.8	67.8	194.8	40.3	115.7
July	128.8	230.6	87.4	36.4	7.0	171.7	36.7	344.0	919.7	335.8	29.3	84.2	67.7	199.9	40.8	118.7
Aug.	129.5	231.1	90.2	37.6	6.9	180.6	43.1	342.0	930.6	339.6	32.1	81.5	67.6	200.5	40.2	112.0
Sept.	130.5	232.6	93.0	36.8	6.5	182.5	43.9	342.4	932.6	339.3	30.5	....	....	....	....	....
Oct.	131.2	236.2	96.5	39.7	6.2	184.1	44.8	352.6	923.8	342.5	31.3	....	....	....	....	....
Nov.	131.6	238.3	100.7	40.6	6.6	186.6	45.3	362.3	923.0	340.4	33.5	....	....	....	....	....
Dec.^{p} ...	132.6	240.2	101.3	39.5	6.1	177.5	43.1	400.3	904.2	332.6	33.6	....	....	....	....	....

[1] Demand deposits at all commercial banks other than those due to domestic banks, the U.S. Government, and foreign banks and official institutions less cash items in the process of collection and Federal Reserve float.

[2] Small denomination and large denomination deposits are those issued in amounts of less than $100,000 and more than $100,000, respectively.

Note—NSA indicates data are not seasonally adjusted.
Travelers checks are a component of money stock but are not shown here.

P-preliminary

TOTAL FUNDS RAISED IN CREDIT MARKETS BY NONFINANCIAL SECTORS, 1974-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Item	1974	1975	1976	1977	1978	1979	1980	1981
Total funds raised by nonfinancial sectors	193.9	214.4	273.5	334.3	401.7	402.0	397.1	406.9
U.S. Government	11.8	85.4	69.0	56.8	53.7	37.4	79.2	87.4
Foreign	14.8	11.5	19.6	13.9	33.2	21.0	29.3	27.3
Private domestic nonfinancial sectors	167.4	117.5	184.9	263.6	314.8	343.6	288.7	292.3
Corporate equities	4.1	9.9	10.5	2.7	-.1	-7.8	12.9	-11.5
Debt instruments	163.3	107.5	174.3	260.9	314.9	351.5	275.8	303.7
Debt capital instruments	100.6	100.9	123.6	169.8	198.7	216.0	204.1	175.0
State and local government obligations	16.5	16.1	15.7	21.9	28.4	29.8	35.9	32.9
Corporate bonds	19.7	27.2	22.8	21.0	20.1	22.5	33.2	23.9
Mortgages	64.4	57.6	85.1	126.9	150.2	163.7	135.1	118.3
Home	37.3	42.0	63.9	94.3	112.1	120.1	96.7	78.6
Multi-family Residential	6.9	-.0	3.9	7.1	9.2	7.8	8.8	4.6
Commercial	15.1	11.0	11.6	18.4	21.7	23.9	20.2	25.3
Farm	5.0	4.6	5.7	7.1	7.2	11.8	9.3	9.8
Other debt instruments	62.7	6.6	50.7	91.1	116.2	135.5	71.7	128.8
Consumer credit	9.9	9.6	25.4	40.2	48.8	45.4	4.9	25.3
Banks loans n.e.c	32.6	-10.5	4.4	26.7	37.1	49.2	35.4	51.1
Open-market paper	6.6	-2.6	4.0	2.9	5.2	11.1	6.6	19.2
Other	13.5	10.1	16.9	21.3	25.1	29.7	24.9	33.1
By borrowing sector: Total	167.4	117.5	184.9	263.6	314.8	343.6	288.7	292.3
State and local government	15.5	13.7	15.2	15.4	19.1	20.2	27.3	22.3
Households	53.9	52.1	89.5	137.3	169.3	176.5	117.5	120.4
Nonfinancial business	98.0	51.6	80.2	110.9	126.3	146.9	143.9	149.5
Farm	7.8	8.5	10.2	12.3	14.6	21.4	14.4	16.4
Nonfarm corporate	20.2	12.5	15.4	28.3	32.4	34.4	33.8	40.5
Corporate	69.9	30.7	54.5	70.4	79.3	91.2	95.7	92.6
Debt instruments	65.9	20.8	44.0	67.6	79.4	99.0	82.8	104.1
Equities	4.1	9.9	10.5	2.7	-.1	-7.8	12.9	-11.5
Total funds supplied to nonfinancial sectors	193.9	214.4	273.5	334.3	401.7	402.0	397.1	406.9

TOTAL FUNDS RAISED IN CREDIT MARKETS BY NONFINANCIAL SECTORS, 1974-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Item	1974	1975	1976	1977	1978	1979	1980	1981
Financed directly or indirectly by:								
Private domestic nonfiancial sectors	123.5	148.1	173.5	184.0	219.7	258.9	271.1	291.3
Deposits and currency	73.7	101.2	133.4	148.5	152.3	151.9	179.2	221.0
Checkable deposits and currency	8.5	15.6	17.8	25.5	25.6	27.2	14.5	27.8
Time and savings deposits	65.3	83.3	111.7	119.3	110.3	82.2	127.8	82.9
Money market fund shares	2.4	1.3	-.0	.2	6.9	34.4	29.2	107.5
Security repurchase agreements	-2.2	.2	2.3	2.2	7.5	6.6	6.5	2.5
Foreign deposits	-.2	.8	1.7	1.3	2.0	1.5	1.1	.3
Credit market instruments	50.4	50.7	44.7	39.0	72.5	122.9	89.7	101.9
Corporate equities	-.6	-3.8	-4.6	-3.5	-5.1	-15.9	2.1	-31.6
Foreign funds	21.8	2.1	13.2	43.5	46.7	22.7	5.6	13.6
At banks	10.1	-8.7	-4.7	1.2	6.3	25.6	-23.0	-8.8
Credit and equity instruments	11.7	10.8	17.9	42.3	40.5	-2.9	28.6	22.3
U.S. Government-related loans, net	19.1	23.2	20.4	17.6	27.2	31.8	29.0	34.2
U.S. Government cash balances	-4.6	2.8	3.0	.9	3.7	.5	-3.6	.1
Private insurance and pension reserves	33.4	39.7	47.7	60.7	66.6	60.0	80.8	88.5
Other sources	.8	-1.6	15.7	27.5	37.8	28.1	14.2	-20.8

TOTAL FUNDS RAISED IN CREDIT MARKETS BY NONFINANCIAL SECTORS, 1974-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Item:	1981				1982		
	I	II	III	IV	I	II	III
Total funds raised by nonfinancial sectors	431.9	444.5	380.8	370.6	361.8	399.5	479.7
U.S. Government	111.3	52.5	62.7	123.0	94.8	101.4	221.2
Foreign	33.6	35.7	18.9	20.9	15.5	16.5	1.3
Private domestic nonfinancial sctors	287.0	356.3	299.2	226.7	251.5	281.6	257.2
Corporate equities	5.2	−3.4	−24.6	−23.0	−5.3	5.0	.0
Debt instruments	281.8	359.7	323.8	249.7	256.8	276.6	257.2
Debt capital instruments	192.7	200.3	156.9	150.0	159.7	153.6	172.9
State and local government obligations	36.0	34.2	26.3	35.0	38.3	57.5	54.3
Corporate bonds	25.0	24.5	19.5	26.4	20.3	16.7	42.5
Mortgages	131.8	141.6	111.1	88.6	101.2	79.4	76.2
Home	93.4	96.9	72.5	51.6	67.2	51.8	51.4
Multi-family residential	4.4	5.7	4.1	4.2	6.2	3.9	7.1
Commercial	25.3	29.4	23.7	22.6	20.5	20.1	11.0
Farm	8.5	9.5	10.8	10.2	7.3	3.6	6.6
Other debt instruments	89.1	159.4	166.8	99.6	97.1	123.0	84.3
Consumer credit	26.5	32.2	34.2	8.3	6.6	25.4	8.2
Banks loans n.e.c	22.8	72.6	66.0	43.2	69.9	86.6	46.6
Open-market paper	11.3	10.1	32.9	22.3	12.2	−5.3	−.9
Other	28.5	44.5	33.8	25.9	8.4	16.4	30.4
By borrowing sector: Total	287.0	356.3	299.2	226.7	251.5	281.6	257.2
State and local governments	27.1	23.1	14.8	24.3	25.6	46.9	39.2
Households	135.0	147.1	128.1	71.1	82.1	97.2	81.6
Nonfinancial business	125.0	186.1	156.4	130.7	143.8	137.4	136.5
Farm	19.2	20.5	16.1	9.6	5.6	11.3	12.5
Nonfarm noncorporate	37.1	46.5	40.1	38.5	28.0	32.8	25.9
Corporate	68.7	119.1	100.2	82.5	110.2	93.3	98.0
Debt instruments	63.5	122.5	124.8	105.5	115.5	88.3	98.0
Equities	5.2	−3.4	−24.6	−23.0	−5.3	5.0	.0
Total funds supplied to nonfinancial sectors	431.9	444.5	380.8	370.6	361.8	399.5	479.7

TOTAL FUNDS RAISED IN CREDIT MARKETS BY NONFINANCIAL SECTORS, 1974-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Item:	1981				1982		
	I	II	III	IV	I	II	III
Financed directly or indirectly by:							
Private domestic nonfinancial sectors	309.3	278.3	285.5	291.9	242.6	296.5	329.9
Deposits and currency	284.0	153.2	217.5	229.2	205.3	149.7	204.6
Checkable deposits and currency	69.7	−5.2	−6.6	53.2	27.3	−9.5	−5.8
Time and savings deposits	39.2	108.3	103.8	80.2	148.2	112.1	123.5
Money market fund shares	148.4	59.9	137.3	84.3	37.6	41.2	86.5
Security repurchase agreements	16.9	−1.6	−13.8	8.6	.3	1.7	7.6
Foreign deposits	9.7	−8.2	−3.2	2.8	−8.1	4.1	−7.2
Credit market instruments	40.9	154.2	123.0	89.5	48.3	151.2	137.8
Corporate equities	−15.5	−29.0	−55.0	−26.8	−11.0	−4.4	−12.5
Foreign funds	21.8	55.0	3.2	−25.7	−32.9	23.7	−40.8
At banks	−25.4	24.0	11.9	−45.6	−46.0	−16.3	−61.7
Credit and equity instruments	47.2	31.0	−8.7	19.9	13.0	40.0	20.9
U.S. Government-related loans, net	27.2	23.3	37.4	49.0	10.0	10.1	53.2
U.S. Government cash balances	14.1	−2.5	−7.2	−3.8	23.2	−29.6	42.3
Private insurance and pension reserves	79.3	94.7	95.0	85.3	84.2	99.1	85.4
Other sources	−19.7	−4.3	−33.0	−26.1	34.7	−.4	9.7

EARNINGS, DIVIDENDS, YIELDS, AND PRICE-EARNINGS RATIOS—Quarterly 1978-1982
Based on the Stocks in the S&P Daily Indexes

Year and Quarter	Earnings Per Share—Adjusted to Index (Quarterly)					Dividend Per Share—Adjusted to Index (Four Quarter Total)					Yield—End of Quarter (Annual %)				
	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.
1978 I	2.65	0.17	2.01	0.43	2.54	5.09	0.58	4.12	0.52	4.80	5.19	4.57	7.92	4.89	5.38
II	2.42	0.76	1.41	0.52	3.18	5.20	0.60	4.19	0.55	4.91	4.93	4.43	8.07	4.77	5.14
III	3.17	0.79	1.77	0.53	3.05	5.31	0.62	4.26	0.57	5.02	4.67	4.12	8.17	4.57	4.90
IV	3.88	0.55	1.66	0.57	3.56	5.35	0.63	4.33	0.59	5.07	4.99	4.93	8.93	5.26	5.28
1979 I	3.79	0.44	2.08	0.53	3.51	5.49	0.65	4.40	0.62	5.20	4.84	4.69	8.70	5.24	5.12
II	4.23	0.85	1.54	0.58	3.86	5.64	0.66	4.48	0.64	5.34	4.94	4.51	8.82	4.90	5.19
III	4.02	0.50	1.88	0.59	3.70	5.83	0.67	4.57	0.66	5.51	4.78	4.29	8.96	4.95	5.04
IV	4.17	0.59	1.66	0.58	3.79	5.98	0.69	4.66	0.69	5.65	4.94	4.58	9.28	5.49	5.23
1980 I	4.40	0.35	1.91	0.52	3.94	6.15	0.71	4.74	0.70	5.80	5.33	4.67	10.50	6.39	5.68
II	3.84	0.43	1.51	0.61	3.51	6.31	0.72	4.82	0.71	5.94	4.92	4.42	9.16	5.49	5.20
III	3.62	0.63	2.03	0.51	3.40	6.46	0.73	4.89	0.72	6.07	4.52	3.63	9.81	5.57	4.84
IV	4.27	0.93	2.08	0.56	3.97	6.55	0.74	4.96	0.72	6.16	4.24	2.99	9.46	5.26	4.54
1981 I	4.01	0.46	2.23	0.50	3.70	6.67	0.73	5.04	0.73	6.28	4.33	2.77	9.86	5.04	4.62
II	4.41	0.42	1.78	0.52	3.94	6.77	0.74	5.12	0.75	6.39	4.59	3.08	9.81	4.88	4.87
III	3.85	0.67	2.26	0.59	3.66	6.90	0.76	5.22	0.77	6.52	5.31	3.85	10.37	5.56	5.61
IV	4.43	0.52	2.05	0.62	4.06	7.00	0.78	5.34	0.79	6.63	5.11	3.60	10.08	5.46	5.41
1982 I	3.30	0.02	2.57	0.51	3.15	7.09	0.80	5.44	0.81	6.72	5.71	4.45	10.37	5.72	6.00
II	3.60	0.47	1.83	0.44	3.30	7.18	0.82	5.55	0.81	6.8[illegible]	5.87	4.67	10.66	6.49	6.21
III	3.05	0.44	2.44	0.60	3.05	7.19	0.83	5.65	0.82	6.85	5.35	4.22	10.09	5.85	5.69
IV	P3.14	0.32	1.94	P0.66	P3.05	7.18	0.83	5.72	0.84	6.87	4.56	3.43	9.46	5.07	4.88

Year and Quarter	Earnings Per Share—Adjusted to Index (Four Quarter Total)					Price/Earnings Ratios					Stock Price Indexes (End of Period)				
	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.	400 Ind.	20 Trans.	40 Util.	40 Finan.	500 Comp.
1978 I	11.57	1.73	6.75	1.77	10.92	8.47	7.34	7.71	6.01	8.17	98.02	12.70	52.02	10.64	89.21
II	11.88	1.91	6.78	1.86	11.23	8.88	7.09	7.66	6.19	8.51	105.53	13.54	51.92	11.52	95.53
III	12.23	2.13	6.81	1.95	11.57	9.30	7.07	7.66	6.40	8.86	113.72	15.05	52.16	12.48	102.54
IV	13.12	2.27	6.85	2.05	12.33	8.17	5.63	7.08	5.47	7.79	107.21	12.79	48.47	11.22	96.11
1979 I	14.26	2.54	6.92	2.15	13.30	7.95	5.45	7.31	5.51	7.64	113.38	13.85	50.58	11.84	101.59
II	15.07	2.63	7.05	2.21	13.98	7.57	5.56	7.21	5.90	7.36	114.14	14.63	50.81	13.05	102.91
III	15.92	2.34	7.16	2.27	14.63	7.67	6.67	7.12	5.88	7.47	122.09	15.60	50.98	13.34	109.32
IV	16.21	2.38	7.16	2.28	14.86	7.47	6.33	7.02	5.51	7.26	121.02	15.07	50.24	12.57	107.94
1980 I	16.82	2.29	6.99	2.27	15.29	6.86	6.63	6.46	4.83	6.68	115.31	15.19	45.15	10.96	102.09
II	16.43	1.87	6.96	2.30	14.94	7.81	8.71	7.56	5.63	7.65	128.34	16.28	52.63	12.94	114.24
III	16.03	2.00	7.11	2.22	14.64	8.86	10.06	7.01	5.82	8.53	142.82	20.12	49.87	12.92	125.46
IV	16.13	2.34	7.53	2.20	14.82	9.58	10.64	6.97	6.22	9.19	154.45	24.79	52.45	13.70	135.76
1981 I	15.74	2.45	7.65	2.18	14.58	9.79	10.76	6.51	6.65	9.33	154.19	26.35	51.13	14.49	136.00
II	16.31	2.44	8.12	2.09	15.01	9.01	9.85	6.42	7.35	8.71	147.58	24.05	52.20	15.37	131.21
III	16.54	2.48	8.35	2.17	15.26	7.93	8.09	6.20	6.62	7.71	130.04	19.74	50.36	13.85	116.18
IV	16.70	2.07	8.32	2.23	15.36	8.34	8.86	6.53	7.06	8.12	137.12	21.69	52.98	14.47	122.55
1982 I	15.99	1.63	8.66	2.24	14.81	7.77	11.03	6.05	6.33	7.56	124.23	17.98	52.47	14.17	111.96
II	15.18	1.68	8.71	2.16	14.17	8.06	10.45	5.98	5.78	7.74	122.42	17.56	52.05	12.49	109.61
III	14.38	1.45	8.89	2.17	13.56	9.34	13.57	6.30	6.46	8.87	134.45	19.68	55.99	14.01	120.42
IV	13.09	1.25	8.78	2.21	12.55	10.95	16.68	6.80	7.64	10.36	157.62	24.18	60.45	16.58	140.64

P—Preliminary

BOND YIELDS AND INTEREST RATES, 1929-82

[Percent per annum]

	U.S. Treasury securities											
	Bills (new issues)[1]		Constant maturities[2]		Corporate bonds (Moody's)							
Year or month:	3-month	6-month	3 years	10 years	Aaa	Baa	High grade munici-pal bonds (Stand-ard & Poor's)	New home mortgage yields (FHLBB)[3]	Prime com-mercial paper, 4-6 months	Prime rate charged by banks[4]	Discount rate Federal Reserve Bank of New York[5]	Federal funds rate[6]
1929	....	....	....	....	4.73	5.90	4.27	....	5.85	5.50-6.00	5.16	....
1933	.515	....	....	....	4.49	7.76	4.71	....	1.73	1.50-4.00	2.56	....
1939	.023	....	....	....	3.01	4.96	2.76	....	.59	1.50	1.00	....
1940	.014	....	....	....	2.84	4.75	2.50	....	.56	1.50	1.00	....
1941	.103	....	....	....	2.77	4.33	2.10	....	.53	1.50	1.00	
1942	.326	....	....	....	2.83	4.28	2.36	....	.66	1.50	[6]1.00	....
1943	.373	....	....	....	2.73	3.91	2.06	....	.69	1.50	[6]1.00	....
1944	.375	....	....	....	2.72	3.61	1.86	....	.73	1.50	[6]1.00	....
1945	.375	....	....	....	2.62	3.29	1.67	....	.75	1.50	[6]1.00	....
1946	.375	....	....	....	2.53	3.05	1.64	....	.81	1.50	[6]1.00	....
1947	.594	....	....	....	2.61	3.24	2.01	....	1.03	1.50-1.75	[6]1.00	....
1948	1.040	....	....	....	2.82	3.47	2.40	....	1.44	1.75-2.00	1.34	....
1949	1.102	....	....	....	2.66	3.42	2.21	....	1.49	2.00	1.50	....
1950	1.218	....	....	....	2.62	3.24	1.98	....	1.45	2.07	1.59	....
1951	1.552	....	....	....	2.86	3.41	2.00	....	2.16	2.56	1.75	....
1952	1.766	....	....	....	2.96	3.52	2.19	....	2.33	3.00	1.75	....
1953	1.931	....	2.47	2.85	3.20	3.74	2.72	....	2.52	3.17	1.99	....
1954	.953	....	1.63	2.40	2.90	3.51	2.37	....	1.58	3.05	1.60	....
1955	1.753	....	2.47	2.82	3.06	3.53	2.53	....	2.18	3.16	1.89	1.78
1956	2.658	....	3.19	3.18	3.36	3.88	2.93	....	3.31	3.77	2.77	2.73
1957	3.267	....	3.98	3.65	3.89	4.71	3.60	....	3.81	4.20	3.12	3.11
1958	1.839	....	2.84	3.32	3.79	4.73	3.56	....	2.46	3.83	2.15	1.57
1959	3.405	3.832	4.46	4.33	4.38	5.05	3.95	....	3.97	4.48	3.36	3.30

BOND YIELDS AND INTEREST RATES, 1929-82

[Percent per annum]

Year or month:	U.S. Treasury securities: Bills (new issues)[1]: 3-month	U.S. Treasury securities: Bills (new issues)[1]: 6-month	U.S. Treasury securities: Constant maturities[2]: 3 years	U.S. Treasury securities: Constant maturities[2]: 10 years	Corporate bonds (Moody's): Aaa	Corporate bonds (Moody's): Baa	High grade municipal bonds (Standard & Poor's)	New home mortgage yields (FHLBB)[3]	Prime commercial paper, 4-6 months	Prime rate charged by banks[4]	Discount rate Federal Reserve Bank of New York[4]	Federal funds rate[5]
1960	2.928	3.247	3.98	4.12	4.41	5.19	3.73	.....	3.85	4.82	3.53	3.22
1961	2.378	2.605	3.54	3.88	4.35	5.08	3.46	.....	2.97	4.50	3.00	1.96
1962	2.778	2.908	3.47	3.95	4.33	5.02	3.18	.....	3.26	4.50	3.00	2.68
1963	3.157	3.253	3.67	4.00	4.26	4.86	3.23	5.89	3.55	4.50	3.23	3.18
1964	3.549	3.686	4.03	4.19	4.40	4.83	3.22	5.82	3.97	4.50	3.55	3.50
1965	3.954	4.055	4.22	4.28	4.49	4.87	3.27	5.81	4.38	4.54	4.04	4.07
1966	4.881	5.082	5.23	4.92	5.13	5.67	3.82	6.25	5.55	5.63	4.50	5.11
1967	4.321	4.630	5.03	5.07	5.51	6.23	3.98	6.46	5.10	5.61	4.19	4.22
1968	5.339	5.470	5.68	5.65	6.18	6.94	4.51	6.97	5.90	6.30	5.16	5.66
1969	6.677	6.853	7.02	6.67	7.03	7.81	5.81	7.80	7.83	7.96	5.87	8.20
1970	6.458	6.562	7.29	7.35	8.04	9.11	6.51	8.45	7.71	7.91	5.95	7.18
1971	4.348	4.511	5.65	6.16	7.39	8.56	5.70	7.74	5.11	5.72	4.88	4.66
1972	4.071	4.466	5.72	6.21	7.21	8.16	5.27	7.60	4.73	5.25	4.50	4.43
1973	7.041	7.178	6.95	6.84	7.44	8.24	5.18	7.96	8.15	8.03	6.44	8.73
1974	7.886	7.926	7.82	7.56	8.57	9.50	6.09	8.92	9.84	10.81	7.83	10.50
1975	5.838	6.122	7.49	7.99	8.83	10.61	6.89	9.00	6.32	7.86	6.25	5.82
1976	4.989	5.266	6.77	7.61	8.43	9.75	6.49	9.00	5.34	6.84	5.50	5.04
1977	5.265	5.510	6.69	7.42	8.02	8.97	5.56	9.02	5.61	6.83	5.46	5.54
1978	7.221	7.572	8.29	8.41	8.73	9.49	5.90	9.56	7.99	9.06	7.46	7.93
1979	10.041	10.017	9.72	9.44	9.63	10.69	6.39	10.78	[7]10.91	12.67	10.28	11.19
1980	11.506	11.374	11.55	11.46	11.94	13.67	8.51	12.66	12.29	15.27	11.77	13.36
1981	14.077	13.811	14.44	13.91	14.17	16.04	11.23	14.70	14.76	18.87	13.42	16.38
1982	10.686	11.084	12.92	13.00	13.79	16.11	11.57	15.14	11.89	14.86	11.02	12.26

BOND YIELDS AND INTEREST RATES, 1929-82

[Percent per annum]

Year or month	U.S. Treasury securities				Corporate bonds (Moody's)		High grade municipal bonds (Standard & Poor's)	New home mortgage yields (FHLBB)[3]	Prime commercial paper, 4-6 months	Prime rate charged by banks (high-low)[4]	Discount rate, Federal Reserve Bank of New York (high-low)[5]	Federal funds rate[6]
	Bills (new issues)[1]		Constant maturities[2]									
	3-month	6-month	3 years	10 years	Aaa	Baa						
1980:												
Jan.	12.036	11.851	10.88	10.80	11.09	12.42	7.21	11.87	12.66	15.25-15.25	12.00-12.00	13.82
Feb.	12.814	12.721	12.84	12.41	12.38	13.57	8.04	11.93	13.60	16.75-15.25	13.00-12.00	14.13
Mar.	15.526	15.100	14.05	12.75	12.96	14.45	9.09	12.62	16.50	19.50-16.75	13.00-13.00	17.19
Apr.	14.003	13.618	12.02	11.47	12.04	14.19	8.40	13.03	14.93	20.00-19.50	13.00-13.00	17.61
May	9.150	9.149	9.44	10.18	10.99	13.17	7.37	13.68	9.29	19.00-14.00	13.00-12.00	10.98
June	6.995	7.218	8.91	9.78	10.58	12.71	7.60	12.66	8.03	14.00-12.00	12.00-11.00	9.47
July	8.126	8.101	9.27	10.25	11.07	12.65	8.08	12.48	8.29	12.00-11.00	11.00-10.00	9.03
Aug.	9.259	9.443	10.63	11.10	11.64	13.15	8.62	12.25	9.61	11.50-11.00	10.00-10.00	9.61
Sept.	10.321	10.546	11.57	11.51	12.02	13.70	8.95	12.35	11.04	13.00-11.50	11.00-10.00	10.87
Oct.	11.580	11.566	12.01	11.75	12.31	14.23	9.11	12.61	12.32	14.50-13.50	11.00-11.00	12.81
Nov.	13.888	13.612	13.31	12.68	12.97	14.64	9.55	13.04	14.73	17.75-14.50	12.00-11.00	15.85
Dec.	15.661	14.770	13.65	12.84	13.21	15.14	10.09	13.28	16.49	21.50-17.75	13.00-12.00	18.90
1981:												
Jan.	14.724	13.883	13.01	12.57	12.81	15.03	9.65	13.26	15.10	21.50-20.00	13.00-13.00	19.08
Feb.	14.905	14.134	13.65	13.19	13.35	15.37	10.03	13.54	14.87	20.00-19.00	13.00-13.00	15.93
Mar.	13.478	12.983	13.51	13.12	13.33	15.34	10.12	14.02	13.59	19.00-17.50	13.00-13.00	14.70
Apr.	13.635	13.434	14.09	13.68	13.88	15.56	10.55	14.15	14.17	18.00-17.00	13.00-13.00	15.72
May	16.295	15.334	15.08	14.10	14.32	15.95	10.73	14.10	16.66	20.50-18.00	14.00-13.00	18.52
June	14.557	13.947	14.29	13.47	13.75	15.80	10.56	14.67	15.22	20.50-20.00	14.00-14.00	19.10
July	14.699	14.402	15.15	14.28	14.38	16.17	11.03	14.72	16.09	20.50-20.00	14.00-14.00	19.04
Aug.	15.612	15.548	16.00	14.94	14.89	16.34	12.13	15.27	16.62	20.50-20.50	14.00-14.00	17.82
Sept.	14.951	15.057	16.22	15.32	15.49	16.92	12.86	15.29	15.93	20.50-19.50	14.00-14.00	15.87
Oct.	13.873	14.013	15.50	15.15	15.40	17.11	12.67	15.65	14.72	19.50-18.00	14.00-14.00	15.08
Nov.	11.269	11.530	13.11	13.39	14.22	16.39	11.71	16.38	11.96	18.00-16.00	14.00-13.00	13.31
Dec.	10.926	11.471	13.66	13.72	14.23	16.55	12.77	15.87	12.14	15.75-15.75	13.00-12.00	12.37

BOND YIELDS AND INTEREST RATES, 1929-82
[Percent per annum]

	U.S. Treasury securities											
	Bills (new issues)[1]		Constant maturities[2]		Corporate bonds (Moody's)		High grade munici-pal bonds (Stand-ard & Poor's)	New home mortgage yields (FHLBB)[3]	Prime com-mercial paper, 4-6 months	Prime rate charged by banks (high-low)[4]	Discount rate, Federal Reserve Bank of New York (high-low)[6]	Federal funds rate[5]
Year or month	3-month	6-month	3 years	10 years	Aaa	Baa						
1982:												
Jan.	12.412	12.930	14.64	14.59	15.18	17.10	13.16	15.25	13.35	15.75-15.75	12.00-12.00	13.22
Feb.	13.780	13.709	14.73	14.43	15.27	17.18	12.81	15.12	14.27	17.00-15.75	12.00-12.00	14.78
Mar.	12.493	12.621	14.13	13.86	14.58	16.82	12.72	15.67	13.47	16.50-16.50	12.00-12.00	14.68
Apr.	12.821	12.861	14.18	13.87	14.46	16.78	12.45	15.84	13.64	16.50-16.50	12.00-12.00	14.94
May	12.148	12.220	13.77	13.62	14.26	16.64	11.99	15.89	13.02	16.50-16.50	12.00-12.00	14.45
June	12.108	12.310	14.48	14.30	14.81	16.92	12.42	15.40	13.79	16.50-16.50	12.00-12.00	14.15
July	11.914	12.236	14.00	13.95	14.61	16.80	12.11	15.70	13.00	16.50-15.50	12.00-11.50	12.59
Aug.	9.006	10.105	12.62	13.06	13.71	16.32	11.12	15.68	10.80	15.50-13.50	11.50-10.00	10.12
Sept.	8.196	9.539	12.03	12.34	12.94	15.63	10.61	14.98	10.86	13.50-13.50	10.00-10.00	10.31
Oct.	7.750	8.299	10.62	10.91	12.12	14.73	9.59	14.41	9.21	13.50-12.00	10.00-9.50	9.71
Nov.	8.042	8.319	9.98	10.55	11.68	14.30	9.97	13.81	8.72	12.00-11.50	9.50-9.00	9.20
Dec.	8.013	8.225	9.88	10.54	11.83	14.14	9.91	13.70	8.50	11.50-11.50	9.00-8.50	8.95

[1] Rate on new issues within period: bank-discount basis.

[2] Yields on the more actively traded issues adjusted to constant maturities by the Treasury Department.

[3] Effective rate (in the primary market) on conventional mortgages, reflecting fees and charges as well as contract rate and assuming on the average, repayment at end of 10 years. Rates beginning January 1973 not strictly comparable with prior rates.

[4] For monthly data, high and low for the period. Prime rate for 1929-33 and 1947-48 are ranges of the rate in effect during the period.

[5] Since July 19, 1975, the daily effective rate is an average of the rates on a given day weighted by the volume of transactions at these rates. Prior to that date, the daily effective rate was the rate considered most representative of the day's transactions, usually the one at which most transactions occurred.

[6] From October 30, 1942, to April 24, 1946, a preferential rate of 0.50 percent was in effect for advances secured by Government securities maturing in 1 year or less.

[7] Beginning November 1979, data are for 6-months paper.

FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT, FISCAL YEARS 1973-84

[Millions of dollars; fiscal years]

Description	Actual						
	1973	1974	1975	1976	Transition quarter	1977	1978
BUDGET RECEIPTS AND OUTLAYS:							
Total receipts	230,799	263,224	279,090	298,060	81,232	355,559	399,561
Federal Funds	161,357	181,219	187,505	201.099	54,085	241,312	270,490
Trust Funds	90,766	103,138	116,683	131,750	31,530	150,560	165,568
Interfund transactions	-21,325	-21,133	-25,098	-34,789	-4,383	-36,313	-36,498
Total outlays	245,647	267,912	324,245	364,473	94,188	400,506	448,368
Federal funds	186,951	199,918	240,081	269,921	65,088	295,756	331,991
Trust Funds	80,021	89,126	109,261	129,341	33,482	141,063	152,874
Interfund transactions	-21,325	-21,133	-25,098	-34,789	-4,383	-36,313	-36,498
Total surplus or dificit (—)	-14,849	-4,688	-45,154	-66,413	-12,956	-44,948	-48,807
Federal funds	-25,593	-18,699	-52,576	-68,822	-11,004	-54,444	-61,501
Trust funds	10,745	14,011	7,422	2,409	-1,952	9,496	12,694
OUTSTANDING DEBT, END OF PERIOD:							
Gross Federal debt	468,426	486,247	544,131	631,866	646,379	709,138	780,425
Held by Government agencies	125,381	140,194	147,225	151,566	148,052	157,295	169,477
Held by the public	343,045	346,053	396,906	480,300	498,327	551,843	610,948
Federal Reserve System	75,181	80,648	84,993	94,714	96,702	105,004	115,480
Other	267,863	265,405	311,913	385,586	401,625	446,839	495,468
BUDGET RECEIPTS	230,799	263,224	279,090	298,060	81,232	355,559	399,561
Individual income taxes	103,246	118,952	122,386	131,603	38,801	157,626	180,988
Corporation income taxes	36,153	38,620	40,621	41,409	8,460	54,892	59,952
Social insurance taxes and contributions	63,115	75,071	84,534	90,769	25,219	106,485	120,967
Excise taxes	16,260	16,844	16,551	16,963	4,473	17,548	18,376
Estate and gift taxes	4,917	5,035	4,611	5,216	1,455	7,327	5,285
Customs duties	3.188	3,334	3,676	4,074	1,212	5,150	6,573
Miscellaneous receipts:							
Deposits of earnings by Federal Reserve System	3,495	4,845	5,777	5,451	1,500	5,908	6,641
All other	425	523	935	2,576	111	623	778

FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT, FISCAL YEARS 1973-84

[Millions of dollars; fiscal years]

Description	Actual						
	1973	1974	1975	1976	Transition quarter	1977	1978
BUDGET OUTLAYS	245,647	267,912	324,245	364,473	94,188	400,506	448,368
National defense	74,541	77,781	85,552	89,430	22,307	97,501	105,186
International affairs	4,066	5,681	6,922	5,554	2,191	4,819	5,922
General science, space, and technology	4,030	3,977	3,989	4,370	1,161	4,677	4,742
Energy	1,179	837	2,169	3,127	794	4,172	5,861
Natural resources and environment	4,763	5,670	7,336	8,124	2,532	10,000	10,925
Agriculture	4,852	2,227	1,659	2,502	584	5,526	7,731
Commerce and housing credit	924	3,925	5,607	3,792	1,392	98	3,331
Transportation	9,065	9,172	10,388	13,435	3,304	14,636	15,445
Community and regional development	4,595	4,134	3,738	4,767	1,340	6,348	11,070
Education, training, employment, and social services	12,735	12,344	15,870	18,737	5,162	20,985	26,463
Health	17,405	20,364	25,742	31,503	8,181	36,582	41,232
Income security	72,965	84,437	108,576	127,390	32,797	137,900	146,180
Veterans benefits and services	12,013	13,386	16,597	18,432	3,962	18,038	18,974
Administration of justice	2,131	2,462	2,942	3,320	859	3,600	3,802
General government	2,568	3,243	3,133	2,948	883	3,169	3,706
General purpose fiscal assistance	7,351	6,890	7,187	7,235	2,092	9,499	9,601
Net interest	17,346	21,449	23,244	26,711	6,946	29,877	35,435
Allowances	....	....	....	....	....	....	....
Undistributed offsetting receipts	-6,882	-10,068	-6,408	-6,904	-2,296	-6,922	-7,242
Compostion of undistributed offsetting receipts:							
Employer share, employee retirement	-2,927	-3,319	-3,980	-4,242	-985	-4,548	-4,983
Rents and royalities on the Outer Continental Shelf	-3,956	-6,748	-2,428	-2,662	-1,311	-2,374	-2,259

FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT, FISCAL YEARS 1973-84

[Millions of dollars; fiscal years]

Description:	Actual				Estimates	
	1979	1980	1981	1982	1983	1984
BUDGET RECEIPTS AND OUTLAYS:						
Total receipts	463,302	517,112	599,272	617,766	597,494	659,702
Federal funds	316,366	350,856	410,422	409,253	376,945	404,745
Trust funds	186,988	210,930	239,413	268,407	314,755	330,210
Interfund transactions	−40,052	−44,674	−50,563	−59,894	−94,206	−75,253
Total outlays	490,997	576,675	657,204	728,375	805,202	848,483
Federal funds	362,396	419,220	475,171	526,113	603,047	610,467
Trust funds	168,653	202,129	232,596	262,155	296,361	313,269
Interfund transactions	−40,052	−44,674	−50,563	−59,894	−94,206	−75,253
Total surplus or deficit (—)	−27,694	−59,563	−57,932	−110,609	−207,708	−188,781
Federal funds	−46,030	−68,364	−64,749	−116,680	−226,102	−205,721
Trust funds	18,335	8,801	6,817	6,252	18,393	16,941
OUTSTANDING DEBT, END OF PERIOD:						
Gross Federal debt	833,751	914,317	1,003,941	1,146,987	1,383,744	1,606,339
Held by Government agencies	189,162	199,212	209,507	217,560	239,317	258,912
Held by the public	644,589	715,105	794,434	929,427	1,144,427	1,347,427
Federal Reserve System	115,594	120,846	124,466	134,497	....	....
Other	528,996	594,259	669,968	794,929	....	....
BUDGET RECEIPTS	463,302	517,112	599,272	617,766	597,494	659,702
Individual income taxes	217,841	244,069	285,917	297,744	285,194	295,589
Corporation income taxes	65,677	64,600	61,137	49,207	35,286	51,770
Social insurance taxes and contributions	138,939	157,803	182,720	201,498	210,313	242,937
Excise taxes	18,745	24,329	40,839	36,311	37,257	40,353
Estate and gift taxes	5.411	6,389	6,787	7,991	6,114	5,902
Customs duties	7,439	7,174	8,083	8,854	8,819	9,137
Miscellaneous receipts:						
Deposits of earnings by Federal Reserve System	8,327	11,767	12,834	15,186	13,406	12,819
All other	925	981	956	975	1,105	1,195

FEDERAL BUDGET RECEIPTS, OUTLAYS, AND DEBT, FISCAL YEARS 1973-84

[Millions of dollars; fiscal years]

Description:	Actual				Estimates	
	1979	1980	1981	1982	1983	1984
BUDGET OUTLAYS	490,997	576,675	657,204	728,375	805,202	848,483
National defense	117,681	135,856	159,765	187,418	214,769	245,305
International affairs	6,091	10,733	11,130	9,982	11,939	13,250
General Science, space, and technology	5,041	5,722	6,359	7,070	7,759	8,250
Energy	6,856	6,313	10,277	4,674	4,506	3,306
Natural Resources and environment	12,091	13,812	13,525	12,934	12,087	9,832
Agriculture	6,238	4,762	5,572	14,875	21,075	12,150
Commerce and housing credit	2,579	7,788	3,946	3,865	1,928	413
Transportation	17,479	21,120	23,381	20,560	21,876	25,145
Community and regional development	9,542	10,068	9,394	7,165	7,373	6,951
Education, training, employment, and social services	29,685	30,767	31,402	26,300	26,676	25,256
Health	46,962	55,220	65,982	74,017	82,362	90,647
Income security	160,159	193,100	225,101	248,343	282,472	282,422
Veterans benefits and services	19,928	21,183	22,988	23,955	24,411	25,724
Administration of justice	4,153	4,570	4,696	4,671	5,273	5,491
General government	4,093	4,505	4,614	4,726	5,794	5,993
General purpose fiscal assistance	8,372	8,584	6,856	6,393	6,382	6,968
Net interest	42,606	52,458	68,726	84,697	88,936	103,180
Allowances	....	....	....	....	....	949
Undistributed offsetting receipts	-8,538	-9,887	-16,509	-13,270	-20,414	-22,750
Composition of undistributed offsetting receipts:						
Employer share, employee retirement	-5,271	-5,787	-6,371	-7,020	-8,214	-9,853
Rents and royalties on the Outer Continental Shelf	-3,267	-4,101	-10,138	-6,250	-11,793	-11,895

Note.—Under provisions of the Congressional Budget Act of 1974, the fiscal year for the Federal Government shifted beginning with fiscal year 1977. Through Fiscal year 1976, the fiscal year was on a July 1-June 30 basis. Beginning October 1976 (fiscal year 1977), the fiscal year is on an October 1-September 30 basis. The period July 1, 1976 through September 30, 1976 is a separate fiscal period known as the transition quarter.

Refunds of receipts are excluded from receipts and outlays.

FEDERAL BUDGET RECEIPTS AND OUTLAYS, OFF-BUDGET OUTLAYS, AND DEBT, FISCAL YEARS 1929-84

[Billions of dollars]

	Budget					Gross Federal debt (end of period)	
Fiscal year:	Receipts	Outlays	Surplus or deficit (−)	Off-budget outlays	Budget and off-budget surplus or deficit (−)	Total	Held by the public
1929	3.9	3.1	.7	....	....	[1]16.9	....
1933	2.0	4.6	−2.6	....	....	[1]22.5	....
1939	5.0	8.8	−3.9	....	....	48.2	41.4
1940	6.4	9.5	−3.1	....	....	50.7	42.8
1941	8.6	13.6	−5.0	....	....	57.5	48.2
1942	14.4	35.1	−20.8	....	....	79.2	67.8
1943	23.6	78.5	−54.9	....	....	142.6	127.8
1944	44.3	91.3	−47.0	....	....	204.1	184.8
1945	45.2	92.7	−47.5	....	....	260.1	235.2
1946	39.3	55.2	−15.9	....	....	271.0	241.9
1947	38.4	34.5	3.9	....	....	257.1	224.3
1948	41.8	29.8	12.0	....	....	252.0	216.3
1949	39.4	38.8	.6	....	....	252.6	214.3
1950	39.5	42.6	−3.1	....	....	256.9	219.0
1951	51.6	45.5	6.1	....	....	255.3	214.3
1952	66.2	67.7	−1.5	....	....	259.1	214.8
1953	69.6	76.1	−6.5	....	....	266.0	218.4
1954	69.7	70.9	−1.2	....	....	270.8	224.5
1955	65.5	68.5	−3.0	....	....	274.4	226.6
1956	74.5	70.5	4.1	....	....	272.8	222.2
1957	80.0	76.7	3.2	....	....	272.4	219.4
1958	79.6	82.6	−2.9	....	....	279.7	226.4
1959	79.2	92.1	−12.9	....	....	287.8	235.0
1960	92.5	92.2	.3	....	....	290.9	237.2
1961	94.4	97.8	−3.4	....	....	292.9	238.6
1962	99.7	106.8	−7.1	....	....	303.3	248.4
1963	106.6	111.3	−4.8	....	....	310.8	254.5
1964	112.7	118.6	−5.9	....	....	316.8	257.6

FEDERAL BUDGET RECEIPTS AND OUTLAYS, OFF-BUDGET OUTLAYS, AND DEBT, FISCAL YEARS 1929-84

[Billions of dollars]

Fiscal year:	Budget			Off-budget outlays	Budget and off-budget surplus or deficit (−)	Gross Federal debt (end of period)	
	Receipts	Outlays	Surplus or deficit (−)			Total	Held by the public
1965	116.8	118.4	−1.6	....	....	323.2	261.6
1966	130.9	134.7	−3.8	....	....	329.5	264.7
1967	148.9	157.6	−8.7	....	....	341.3	267.5
1968	153.0	178.1	−25.2	....	....	369.8	290.6
1969	186.9	183.6	3.2	....	....	367.1	279.5
1970	192.8	195.7	−2.8	....	....	382.6	284.9
1971	187.1	210.2	−23.0	....	....	409.5	304.3
1972	207.3	230.7	−23.4	....	....	437.3	323.8
1973	230.8	245.6	−14.8	0.1	−14.9	468.4	343.0
1974	263.2	267.9	−4.7	1.4	−6.1	486.2	346.1
1975	279.1	324.2	−45.2	8.1	−53.2	544.1	396.9
1976	298.1	364.5	−66.4	7.3	−73.7	631.9	480.3
Transition quarter	81.2	94.2	−13.0	1.8	−14.7	646.4	498.3
1977	355.6	400.5	−44.9	8.7	−53.6	709.1	551.8
1978	399.6	448.4	−48.8	10.4	−59.2	780.4	610.9
1979	463.3	491.0	−27.7	12.5	−40.2	833.8	644.6
1980	517.1	576.7	−59.6	14.2	−73.8	914.3	715.1
1981	599.3	657.2	−57.9	21.0	−78.9	1,003.9	794.4
1982	617.8	728.4	−110.6	17.3	−127.9	1,147.0	929.4
1983[2]	597.5	805.2	−207.7	17.0	−224.8	1,383.7	1,144.4
1984[2]	659.7	848.5	−188.8	14.0	−202.8	1,606.3	1,347.4

[1] Not strictly comparable with later data.

[2] Estimates.

Note—Under provisions of the Congressional Budget Act of 1974, the fiscal year for the Federal Government shifted beginning with fiscal year 1977. Through fiscal year 1976, the fiscal year was on a July 1-June 30 basis; beginning October 1976 (fiscal year 1977), the fiscal year is on an October 1-September 30 basis. The 3-month period from July, 1976 through September 30, 1976 is a separate fiscal period known as the transition quarter.

Data for 1929-39 are according to the administrative budget and those beginning 1940 according to the unified budget.

Refunds of receipts are excluded from receipts and outlays.

See "Budget of the United States Government, Fiscal Year 1984" for additional information.

INTEREST-BEARING PUBLIC DEBT SECURITIES BY KIND OF OBLIGATION, 1967-82

[Millions of dollars]

End or year or month:	Total interest-bearing public debt securities	Marketable				Nonmarketable				
		Total	Treasury bills	Treasury notes	Treasury bonds[1]	Total	U.S. savings bonds	Foreign government and public series[2]	Government account series	Other[3]
Fiscal year:										
1967	322,286	210,672	58,535	49,108	97,418	111,614	51,213	1,514	56,155	2,731
1968	344,401	226,592	64,440	71,073	91,079	117,808	51,712	3,741	59,526	2,828
1969	351,729	226,107	68,356	78,946	78,805	125,623	51,711	4,070	66,790	3,051
1970	369,026	232,599	76,154	93,489	62,956	136,426	51,281	4,755	76,323	4,068
1971	396,289	245,473	86,677	104,807	53,989	150,816	53,003	9,280	82,784	5,759
1972	425,360	257,202	94,648	113,419	49,135	168,158	55,921	18.985	89,598	3,654
1973	456,353	262,971	100,061	117,840	45,071	193,382	59,418	28,524	101,738	3,701
1974	473,238	266,575	105,019	128,419	33,137	206,663	61,921	25,011	115,442	4,289
1975	532,122	315,606	128,569	150,257	36,779	216,516	65,482	23,216	124,173	3,644
1976	619,254	392,581	161,198	191,758	39,626	226,673	69,733	21,500	130,557	4,883
1977	697,629	443,508	156,091	241,692	45,724	254,121	75,411	21,799	140,113	16,797
1978	766,971	485,155	160,936	267,865	56,355	281,816	79,798	21,680	153,271	27,067
1979	819,007	506,693	161,378	274,242	71,073	312,314	80,440	28,115	176,360	27,400
1980	906,402	594,506	199,832	310,903	83,772	311,896	72,727	25,158	189,848	24,164
1981	996,495	683,209	223,388	363,643	96,178	313,286	68,017	20,499	201,052	23,718
1982	1,140,883	824,422	277,900	442,890	103,631	316,461	67,274	14,641	210,462	24,085
1981:										
Jan	929,825	628,482	220,423	321,176	86,883	301,343	71,057	23,804	182,197	24,287
Feb	946,455	642,905	228,972	324,540	89,393	303,550	70,443	23,986	185,020	24,102
Mar	963,207	661,142	235,315	336,505	89,323	302,065	70,057	24,162	183,833	24,015
Apr	962,779	657,906	225,849	341,052	91,006	304,873	69,518	24,411	186,979	23,965
May	964,792	656,185	224,514	338,419	93,252	308,608	69,229	24,789	190,839	23,750
June	969,921	660,769	218,786	348,788	93,196	309,152	68,934	23,514	192,962	23,741

INTEREST-BEARING PUBLIC DEBT SECURITIES BY KIND OF OBLIGATION, 1967-82

[Millions of dollars]

End of year or month:	Total interest-bearing public debt securities	Marketable				Nonmarketable				
		Total	Treasury bills	Treasury notes	Treasury bonds[1]	Total	U.S. savings bonds	Foreign government and public series[2]	Government account series	Other[3]
1981:										
July	972,053	666,405	217,532	354,005	94,868	305,647	68,719	21,943	191,647	23,339
Aug	978,920	673,765	219,854	357,603	96,308	305,155	68,355	21,431	192,060	23,310
Sept	996,495	683,209	223,388	363,643	96,178	313,286	68,017	20,499	201,052	23,718
Oct	999,451	689,578	229,061	362,649	97,867	309,874	67,718	20,471	198,053	23,632
Nov	1,011,936	704,819	233,905	370,794	100,119	307,117	67,739	20,309	195,541	23,529
Dec	1,027,300	720,293	245,015	375,332	99,946	307,007	67,837	19,025	196,665	23,480
1982:										
Jan	1,032,678	726,542	250,562	374,357	101,623	306,136	67,581	18,920	196,393	23,243
Feb	1,042,198	737,532	254,037	382,070	101,426	304,666	67,378	18,384	195,722	23,182
Mar	1,059,815	752,620	256,212	395,042	101,366	307,195	67,163	19,641	196,707	23,684
Apr	1,064,538	755,833	254,880	399,700	101,253	308,705	67,034	19,446	198,538	23,687
May	1,066,410	755,688	256,114	398,408	101,166	310,722	67,082	18,395	201,290	23,955
June	1,078,431	763,995	256,007	406,925	101,063	314,436	67,122	17,457	205,954	23,902
July	1,083,296	774,077	262,009	411,070	100,998	309,218	67,132	16,643	201,502	23,941
Aug	1,108,131	801,427	273,066	427,426	100,935	306,704	67,148	15,606	199,896	24,054
Sept	1,140,883	824,422	277,900	442,890	103,631	316,461	67,274	14,641	210,462	24,085
Oct	1,136,826	824,662	283,923	438,068	102,672	312,164	67,514	14,627	205,717	24,305
Nov	1,160,489	852,463	293,531	454,229	104,702	308,026	67,801	14,863	199,903	25,459
Dec	1,195,496	881,476	311,820	465,030	104,627	314,020	67,719	14,691	205,427	26,183

[1] Includes Treasury bonds and minor amounts of Panama Canal and postal savings bonds.

[2] Nonmarketable certificates of indebtedness, notes, bonds, and bills in the Treasury foreign series of dollar-denominated and foreign-currency denominated issues.

[3] Includes depository bonds, retirement plan bonds, Rural Electrification Administration bonds, State and local bonds, and special issues held only by U.S. Government agencies and trust funds and the Federal home loan banks.

[4] Includes $5,610 million in certificates not shown separately.

Note—Through fiscal year 1976, the fiscal year was on a July 1-June 30 basis; beginning October 1976 (fiscal year 1977) the fiscal year is on an October 1-September 30 basis.

ESTIMATED OWNERSHIP OF PUBLIC DEBT SECURITIES, 1967-82

[Par values;[1] billions of dollars]

End of year or month:	Public debt securities									
				Held by private investors						
	Total[2]	Held by Government accounts	Held by Federal Reserve Banks	Total[3]	Commercial banks[4]	Mutual savings banks and insurance companies	Corporations[5]	State and local governments[6]	Individuals[7]	Miscellaneous investors[3] [8]
Fiscal year:										
1967	322.9	71.8	46.7	204.4	55.5	13.2	11.0	23.6	70.4	30.7
1968	345.4	76.1	52.2	217.0	59.7	12.5	12.0	25.1	74.2	33.4
1969	352.9	84.8	54.1	214.0	55.3	11.6	11.1	26.4	77.3	32.3
1970	370.1	95.2	57.7	217.2	52.6	10.4	8.5	29.0	81.8	35.0
1971	397.3	102.9	65.5	228.9	61.0	10.3	7.4	25.9	75.4	49.1
1972	426.4	111.5	71.4	243.6	60.9	10.2	9.3	26.9	73.2	63.2
1973	457.3	123.4	75.0	258.9	58.8	9.6	9.8	28.8	75.9	76.0
1974	474.2	138.2	80.5	255.6	53.2	8.5	10.8	28.3	80.7	74.2
1975	533.2	145.3	84.7	303.2	69.0	10.6	13.8	31.7	86.8	91.3
1976	620.4	149.6	94.4	376.4	92.5	16.0	24.7	39.3	96.2	107.7
1977	698.8	155.5	104.7	438.6	99.8	20.5	21.2	48.2	106.5	142.4
1978	771.5	167.9	115.3	488.3	94.4	21.2	18.1	63.8	113.9	176.9
1979	826.5	187.7	115.5	523.4	92.5	21.5	22.1	66.5	115.5	205.3
1980	907.7	197.7	120.7	589.2	109.7	24.3	25.9	77.0	123.0	229.3
1981	997.9	208.1	124.3	665.4	112.2	26.2	37.8	86.2	140.3	262.7
1982	1,142.0	216.4	134.4	791.2	....	....	....	....	....	....
1981:										
Jan	934.1	189.5	117.2	627.4	117.2	25.5	30.4	77.3	134.2	242.8
Feb	950.5	192.0	118.9	639.6	116.4	25.3	35.2	80.4	136.2	246.1
Mar	964.5	190.9	119.0	654.6	117.5	23.7	40.0	82.3	138.6	252.5
Apr	964.0	193.9	119.7	650.4	113.5	23.7	40.4	83.6	138.2	251.0
May	968.5	197.8	118.3	652.3	113.2	25.3	38.8	85.1	139.9	250.0
June	971.2	199.9	120.0	651.2	113.3	24.0	38.7	83.0	139.6	252.6

ESTIMATED OWNERSHIP OF PUBLIC DEBT SECURITIES, 1967-82

[Par values;[1] billions of dollars]

	Public debt securities									
				Held by private investors						
End of year or month:	Total[2]	Held by Government accounts	Held by Federal Reserve Banks	Total[3]	Commercial banks[4]	Mutual savings banks and insurance companies	Corporations[5]	State and local governments[6]	Individuals[7]	Miscellaneous investors[3, 8]
1981:										
July	973.3	198.6	123.4	651.3	114.2	25.4	37.8	86.0	139.5	248.4
Aug	980.2	199.0	124.5	656.7	115.0	26.1	38.0	86.2	140.2	251.2
Sept	997.9	208.1	124.3	665.4	112.2	26.2	37.8	86.2	140.3	262.7
Oct	1,005.0	204.9	123.0	677.2	111.3	24.7	38.6	88.3	141.0	273.3
Nov	1,013.3	202.1	126.5	684.6	110.0	24.6	38.3	87.5	141.6	282.6
Dec	1,028.7	203.3	129.9	694.5	109.4	24.3	37.8	85.6	143.7	293.7
1982:										
Jan	1,038.4	202.8	128.3	707.3	111.4	24.9	37.9	86.2	144.1	302.8
Feb	1,048.2	201.1	126.2	720.8	111.8	24.1	37.5	88.2	144.7	314.5
Mar	1,061.3	202.5	125.6	733.3	114.3	25.6	37.5	88.3	146.5	321.1
Apr	1.065.7	204.3	134.3	727.1	110.1	26.8	36.5	88.5	145.7	319.5
May	1,071.7	206.7	129.8	735.2	109.4	27.2	38.8	91.8	146.2	321.8
June	1,079.6	211.7	127.0	740.9	117.0	27.9	38.9	91.2	146.2	319.7
July	1,089.6	206.3	133.8	749.6	110.0	28.2	39.9	88.7	146.4	336.4
Aug	1,109.2	206.5	132.9	769.8	....	....	....	....	....	....
Sept	1,142.0	216.4	134.4	791.2	....	....	....	....	....	....
Oct	1,142.8	211.0	132.1	799.7	....	....	....	....	....	....
Nov	1,161.7	203.9	137.7	820.1	....	....	....	....	....	....
Dec	1,197.1	209.4	139.9	849.4	....	...	....	....	....	....

[1] U.S. savings bonds, series A-F and J, and U.S. savings notes are included at current redemption value.

[2] As of July 31, 1974, public debt outstanding has been adjusted to exclude the notes of the International Monetary Fund to conform with the Budget presentation. This adjustment applies to the 1967-82 data in this table.

[3] For comparability with 1975-82 published data, published data for 1967-74 have been adjusted to exclude notes of the International Monetary Fund. These adjustments amounted to $3.3 billion in 1967, $2.2 billion in 1968, and $0.8 billion in each year 1969 through 1974. These adjustments were necessary in order to add to the total public debt figures as published by the Department of the Treasury. The Treasury Survey of Ownership on which private investor group estimates were based was discontinued in July 1982.

[4] Includes commercial banks, trust companies, and stock savings banks in the United States and Territories and island possessions; figures exclude securities held in trust departments.

[5] Exclusive of banks and insurance companies.

[6] Includes trust, sinking, and investment funds of State and local governments and their agencies, and of Territories and possessions.

[7] Includes partnerships and personal trust accounts.

[8] Includes savings and loan associations, nonprofit institutions, corporate pension trust funds, dealers and brokers, certain government deposit accounts and government-sponsored agencies, and investments of foreign balances and international accounts in the United States.

Note.—Through fiscal year 1976, the fiscal year was on a July 1—June 30 basis; beginning October 1976 (fiscal year 1977), the fiscal year is on an October 1—September 30 basis.

CORPORATE PROFITS OF MANUFACTURING INDUSTRIES, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

Year or quarter	Corporate profits with inventory valuation adjustment and without capital consumption adjustment												
		Durable goods							Nondurable goods				
	Total manufacturing	Total	Primary metal industries	Fabricated metal products	Machinery, except electrical	Electric and electronic equipment	Motor vehicles and equipment	Other	Total	Food and kindred products	Chemicals and allied products	Petroleum and coal products	Other
1929	5.2	2.6	...	...	...	...	...	...	2.6	...	...	...	...
1933	-.4	-.4	...	...	...	...	...	...	.0	...	...	...	...
1939	3.3	1.7	...	...	...	...	...	...	1.7	...	...	...	...
1940	5.5	3.1	...	...	...	...	...	...	2.4	...	...	...	...
1941	9.5	6.4	...	...	...	...	...	...	3.1	...	...	...	...
1942	11.8	7.2	...	...	...	...	...	...	4.6	...	...	...	...
1943	13.8	8.1	...	...	...	...	...	...	5.7	...	...	...	...
1944	13.2	7.4	...	...	...	...	...	...	5.9	...	...	...	...
1945	9.7	4.5	...	...	...	...	...	...	5.2	...	...	...	...
1946	9.0	2.4	...	...	...	...	...	...	6.6	...	...	...	...
1947	13.6	5.8	...	...	...	...	...	...	7.8	...	...	...	...
1948	17.6	7.5	1.6	.8	1.2	.7	1.4	1.8	10.0	1.9	1.7	2.8	3.7
1949	16.2	8.1	1.5	.7	1.3	.8	2.1	1.7	8.1	1.6	1.8	1.9	2.8
1950	20.9	12.0	2.3	1.1	1.6	1.2	3.1	2.6	8.9	1.6	2.3	2.3	2.7
1951	24.6	13.2	3.1	1.3	2.3	1.3	2.4	2.8	11.4	1.4	2.8	2.7	4.4
1952	21.7	11.7	1.9	1.0	2.3	1.5	2.4	2.6	9.9	1.7	2.3	2.3	3.6
1953	22.0	11.9	2.5	1.0	1.9	1.4	2.6	2.6	10.1	1.8	2.2	2.8	3.3
1954	19.9	10.5	1.7	.9	1.7	1.2	2.1	2.9	9.4	1.6	2.2	2.7	2.9
1955	26.0	14.3	2.9	1.0	1.7	1.1	4.1	3.5	11.8	2.2	3.0	3.0	3.6
1956	24.7	12.8	3.0	1.1	2.1	1.2	2.2	3.2	11.9	1.8	2.8	3.3	4.1
1957	24.0	13.3	3.0	1.1	2.0	1.5	2.6	3.1	10.7	1.8	2.8	2.6	3.6
1958	19.4	9.3	1.9	.9	1.4	1.3	.9	2.9	10.0	2.1	2.5	2.1	3.3
1959	26.4	13.7	2.3	1.1	2.1	1.7	3.0	3.5	12.7	2.4	3.5	2.5	4.3
1960	23.6	11.6	2.0	.8	1.8	1.3	3.0	2.7	12.0	2.2	3.1	2.5	4.2
1961	23.3	11.4	1.6	1.0	1.9	1.3	2.5	3.1	11.9	2.3	3.2	2.2	4.1
1962	26.0	14.0	1.6	1.1	2.3	1.5	4.0	3.5	12.0	2.3	3.2	2.2	4.3
1963	29.3	16.3	2.0	1.3	2.5	1.6	4.9	4.0	13.1	2.7	3.6	2.1	4.6
1964	32.3	17.9	2.5	1.4	3.3	1.7	4.7	4.4	14.4	2.7	4.0	2.4	5.3
1965	39.3	23.0	3.1	2.0	3.9	2.7	6.2	5.1	16.3	2.8	4.6	2.9	6.0
1966	41.9	23.8	3.6	2.4	4.5	3.0	5.1	5.2	18.1	3.2	4.9	3.2	6.8
1967	38.5	20.9	2.7	2.4	4.1	2.9	3.9	4.9	17.6	3.2	4.3	3.9	6.3
1968	41.2	22.2	1.9	2.3	4.1	2.8	5.5	5.7	19.1	3.2	5.2	3.7	7.0
1969	36.6	18.9	1.4	2.0	3.7	2.3	4.7	4.9	17.7	3.0	4.5	3.2	6.9

CORPORATE PROFITS OF MANUFACTURING INDUSTRIES, 1929-82

[Billions of dollars; quarterly data at seasonally adjusted annual rates]

	Corporate profits with inventory valuation adjustment and without capital consumption adjustment												
		Durable goods							Nondurable goods				
Year or quarter:	Total manufacturing	Total	Primary metal industries	Fabricated metal products	Machinery, except electrical	Electric and electronic equipment	Motor vehicles and equipment	Other	Total	Food and kindred products	Chemicals and allied products	Petroleum and coal products	Other
1970	26.6	10.2	.8	1.1	2.9	1.2	1.2	2.9	16.5	3.2	3.9	3.5	5.9
1971	34.1	16.3	.7	1.5	2.9	1.9	5.0	4.3	17.8	3.5	4.4	3.5	6.4
1972	40.7	22.4	1.6	2.1	4.3	2.8	5.9	5.7	18.3	2.9	5.2	3.0	7.2
1973	45.5	24.3	2.2	2.5	4.6	3.0	5.7	6.2	21.2	2.4	6.0	5.0	7.8
1974	39.0	13.2	5.4	1.6	2.9	.4	.1	2.9	25.8	2.8	5.6	10.5	6.8
1975	52.6	18.9	2.9	3.0	4.7	2.1	1.9	4.3	33.6	8.6	6.5	9.6	8.9
1976	69.2	30.4	2.1	3.8	6.3	3.4	7.2	7.6	38.8	6.9	8.3	12.6	11.0
1977	78.3	38.1	1.1	4.4	8.8	5.6	9.4	8.8	40.2	6.8	7.9	11.6	13.8
1978	86.9	44.3	3.5	4.9	9.4	6.5	8.9	11.0	42.6	6.0	8.3	13.8	14.5
1979	85.6	37.1	3.5	5.2	8.9	5.1	4.7	9.8	48.4	5.7	7.1	20.7	14.8
1980	74.5	20.7	2.9	4.4	7.2	4.4	−5.0	6.8	53.8	6.2	6.7	28.0	13.0
1981	86.3	28.4	4.1	4.9	9.3	5.1	−1.1	6.2	57.9	8.7	8.2	26.6	14.4
1982	59.8	11.4	5.1	4.4	5.1	3.5	1.1	2.3	48.4	6.5	5.7	24.4	11.7
1980:													
I	85.2	25.5	4.7	5.4	7.2	5.2	−3.7	6.7	59.6	6.6	7.4	31.5	14.1
II	64.7	12.4	2.6	2.8	7.0	3.5	−10.6	7.1	52.3	5.5	5.5	29.1	12.2
III	70.0	18.2	.1	4.3	7.4	4.3	−4.1	6.3	51.8	4.9	6.6	27.7	12.7
IV	78.1	26.5	4.2	5.0	7.2	4.5	−1.4	7.1	51.6	7.6	7.4	23.5	12.9
1981:													
I	90.3	32.1	7.0	4.7	8.4	6.2	−2.6	8.4	58.2	10.4	9.4	23.5	14.9
II	88.9	35.2	4.7	6.0	9.2	4.9	2.6	7.8	53.7	8.5	7.5	23.3	14.4
III	92.2	27.4	4.1	5.4	9.6	4.8	−2.8	6.3	64.8	7.7	8.0	35.1	14.1
IV	73.7	18.9	.7	3.4	9.9	4.3	−1.8	2.4	54.7	8.1	7.8	24.7	14.1
1982:													
I	57.7	9.1	−3.1	4.4	8.3	3.6	−4.1	.0	48.6	6.7	6.5	25.4	10.0
II	56.6	12.7	−6.5	3.8	4.8	3.7	3.3	3.5	43.9	6.3	5.8	20.4	11.4
III	62.7	12.2	−5.4	4.7	3.7	3.2	3.2	2.7	50.5	7.0	5.1	25.9	12.5

Note—The industry classification is on a company basis and is based on the 1972 Standard Industrial Classification (SIC) beginning 1948, and on the 1942 SIC prior to 1948.

SALES, PROFITS, AND STOCKHOLDERS' EQUITY, ALL MANUFACTURING CORPORATIONS, 1950-82
[Billions of dollars]

Year or quarter	All manufacturing corporations				Durable goods industries				Nondurable goods industries			
		Profits				Profits				Profits		
	Sales (net)	Before income taxes[1]	After income taxes	Stock-holders' equity[2]	Sales (net)	Before income taxes[1]	After income taxes	Stock holders' equity[2]	Sales (net)	Before income taxes[1]	After income taxes	Stock-holders' equity[2]
1950	181.9	23.2	12.9	83.3	86.8	12.9	6.7	39.9	95.1	10.3	6.1	43.5
1951	245.0	27.4	11.9	98.3	116.8	15.4	6.1	47.2	128.1	12.1	5.7	51.1
1952	250.2	22.9	10.7	103.7	122.0	12.9	5.5	49.8	128.0	10.0	5.2	53.9
1953	265.9	24.4	11.3	108.2	137.9	14.0	5.8	52.4	128.0	10.4	5.5	55.7
1954	248.5	20.9	11.2	113.1	122.8	11.4	5.6	54.9	125.7	9.6	5.6	58.2
1955	278.4	28.6	15.1	120.1	142.1	16.5	8.1	58.8	136.3	12.1	7.0	61.3
1956	307.3	29.8	16.2	131.6	159.5	16.5	8.3	65.2	147.8	13.2	7.8	66.4
1957	320.0	28.2	15.4	141.1	166.0	15.8	7.9	70.5	154.1	12.4	7.5	70.6
1958	305.3	22.7	12.7	147.4	148.6	11.4	5.8	72.8	156.7	11.3	6.9	74.6
1959	338.0	29.7	16.3	157.1	169.4	15.8	8.1	77.9	168.5	13.9	8.3	79.2
1960	345.7	27.5	15.2	165.4	173.9	14.0	7.0	82.3	171.8	13.5	8.2	83.1
1961	356.4	27.5	15.3	172.6	175.2	13.6	6.9	84.9	181.2	13.9	8.5	87.7
1962	389.4	31.9	17.7	181.4	195.3	16.8	8.6	89.1	194.1	15.1	9.2	92.3
1963	412.7	34.9	19.5	189.7	209.0	18.5	9.5	93.3	203.6	16.4	10.0	96.3
1964	443.1	39.6	23.2	199.8	226.3	21.2	11.6	98.5	216.8	18.3	11.6	101.3
1965	492.2	46.5	27.5	211.7	257.0	26.2	14.5	105.4	235.2	20.3	13.0	106.3
1966	554.2	51.8	30.9	230.3	291.7	29.2	16.4	115.2	262.4	22.6	14.6	115.1
1967	575.4	47.8	29.0	247.6	300.6	25.7	14.6	125.0	274.8	22.0	14.4	122.6
1968	631.9	55.4	32.1	265.9	335.5	30.6	16.5	135.6	296.4	24.8	15.5	130.3
1969	694.6	58.1	33.2	289.9	366.5	31.5	16.9	147.6	328.1	26.6	16.4	142.3
1970	708.8	48.1	28.6	306.8	363.1	23.0	12.9	155.1	345.7	25.2	15.7	151.7
1971	751.1	52.9	31.0	320.8	381.8	26.5	14.5	160.4	369.3	26.5	16.5	160.5
1972	849.5	63.2	36.5	343.4	435.8	33.6	18.4	171.4	413.7	29.6	18.0	172.0
1973	1,017.2	81.4	48.1	374.1	527.3	43.6	24.8	188.7	489.7	37.8	23.3	185.4
1973: IV....	275.1	21.4	13.0	386.4	140.1	10.8	6.3	194.7	135.0	10.6	6.7	191.7

SALES, PROFITS, AND STOCKHOLDERS' EQUITY, ALL MANUFACTURING CORPORATIONS, 1950-82

[Billions of dollars]

Year or quarter	All manufacturing corporations				Durable goods industries				Nondurable goods industries			
		Profits				Profits				Profits		
	Sales (net)	Before income taxes[1]	After income taxes	Stockholders' equity[2]	Sales (net)	Before income taxes[1]	After income taxes	Stock holders' equity[2]	Sales (net)	Before income taxes[1]	After income taxes	Stockholders' equity[2]
New series:												
1973: IV....	236.6	20.6	13.2	368.0	122.7	10.1	6.2	185.8	113.9	10.5	7.0	182.1
1974	1,060.6	92.1	58.7	395.0	529.0	41.1	24.7	196.0	531.6	51.0	34.1	199.0
1975	1,065.2	79.9	49.1	423.4	521.1	35.3	21.4	208.1	544.1	44.6	27.7	215.3
1976	1,203.2	104.9	64.5	462.7	589.6	50.7	30.8	224.3	613.7	54.3	33.7	238.4
1977	1,328.1	115.1	70.4	496.7	657.3	57.9	34.8	239.9	670.8	57.2	35.5	256.8
1978	1,496.4	132.5	81.1	540.5	760.7	69.6	41.8	262.6	735.7	62.9	39.3	277.9
1979	1,741.8	154.2	98.7	600.5	865.7	72.4	45.2	292.5	876.1	81.8	53.5	308.0
1980	1,912.8	145.8	92.6	668.1	889.1	57.4	35.6	317.7	1,023.7	88.4	56.9	350.4
1981	2,144.7	158.5	101.3	743.4	979.5	67.2	41.7	350.4	1,165.2	91.3	59.6	393.0
1979:												
I........	406.6	36.5	22.7	576.2	207.5	18.8	11.4	281.9	199.1	17.7	11.2	294.3
II........	436.4	42.6	26.8	592.5	222.6	21.6	13.3	289.3	213.8	21.1	13.5	303.2
III.......	437.5	38.2	24.7	609.2	213.6	16.4	10.3	296.5	223.9	21.9	14.4	312.6
IV.......	461.2	36.8	24.5	624.0	221.9	15.7	10.1	302.1	239.3	21.2	14.4	321.9
1980:												
I........	465.7	39.5	24.8	643.9	219.8	15.8	9.7	308.0	245.9	23.7	15.1	335.9
II........	466.3	35.9	22.4	658.1	218.7	13.5	8.2	312.6	247.6	22.4	14.2	345.5
III.......	464.2	33.2	21.0	670.5	212.6	11.9	7.2	317.2	251.6	21.3	13.7	353.3
IV.......	516.6	37.2	24.4	699.7	238.0	16.2	10.4	332.8	278.6	21.0	14.0	366.9
1981:												
I........	520.8	39.0	24.4	718.4	234.1	16.7	10.1	339.4	286.7	22.3	14.2	379.1
II........	549.6	45.6	28.9	739.4	257.2	20.7	12.7	349.7	292.4	24.9	16.2	389.7
III.......	539.9	40.0	25.2	753.5	245.1	16.4	10.3	354.2	294.8	23.5	14.9	399.4
IV.......	534.4	34.0	22.9	762.3	243.0	13.4	8.5	358.3	291.3	20.6	14.3	404.0
1982:												
I........	501.0	28.9	19.0	756.5	226.4	10.8	6.8	353.0	274.6	18.1	12.2	403.5
II........	520.1	30.9	20.0	764.1	240.3	12.7	8.2	356.5	279.8	18.2	11.8	407.6
III.......	507.1	27.8	17.8	774.3	225.3	8.5	5.3	360.1	281.8	19.3	12.5	414.2

[1] In the old series, "income taxes" refers to Federal income taxes only, as State and local income taxes had already been deducted. In the new series, no income taxes have been deducted.

[2] Annual data are average equity for the year (using four end-of-quarter figures).

Note—Data are not necessarily comparable from one period to another due to changes in accounting procedures, industry classifications, sampling procedures, etc. For explanatory notes concerning compilation of the series, see "Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations," Federal Trade Commission.

RELATION OF PROFITS AFTER TAXES TO STOCKHOLDERS' EQUITY AND TO SALES, ALL MANUFACTURING CORPORATIONS, 1947-82

Year or quarter:	Ratio of profits after income taxes (annual rate) to stockholders' equity-percent[1]			Profits after income taxes per dollar of sales—cents		
	All manufacturing corporations	Durable goods industries	Nondurable goods industries	All manufacturing corporations	Durable goods industries	Nondurable goods industries
1947	15.6	14.4	16.6	6.7	6.7	6.7
1948	16.0	15.7	16.2	7.0	7.1	6.8
1949	11.6	12.1	11.1	5.8	6.4	5.4
1950	15.4	16.9	14.1	7.1	7.7	6.5
1951	12.1	13.0	11.2	4.9	5.3	4.5
1952	10.3	11.1	9.7	4.3	4.5	4.1
1953	10.5	11.1	9.9	4.3	4.2	4.3
1954	9.9	10.3	9.6	4.5	4.6	4.4
1955	12.6	13.8	11.4	5.4	5.7	5.1
1956	12.3	12.8	11.8	5.3	5.2	5.3
1957	10.9	11.3	10.6	4.8	4.8	4.9
1958	8.6	8.0	9.2	4.2	3.9	4.4
1959	10.4	10.4	10.4	4.8	4.8	4.9
1960	9.2	8.5	9.8	4.4	4.0	4.8
1961	8.9	8.1	9.6	4.3	3.9	4.7
1962	9.8	9.6	9.9	4.5	4.4	4.7
1963	10.3	10.1	10.4	4.7	4.5	4.9
1964	11.6	11.7	11.5	5.2	5.1	5.4
1965	13.0	13.8	12.2	5.6	5.7	5.5
1966	13.4	14.2	12.7	5.6	5.6	5.6
1967	11.7	11.7	11.8	5.0	4.8	5.3
1968	12.1	12.2	11.9	5.1	4.9	5.2
1969	11.5	11.4	11.5	4.8	4.6	5.0
1970	9.3	8.3	10.3	4.0	3.5	4.5
1971	9.7	9.0	10.3	4.1	3.8	4.5
1972	10.6	10.8	10.5	4.3	4.2	4.4
1973	12.8	13.1	12.6	4.7	4.7	4.8
1973:IV	13.4	12.9	14.0	4.7	4.5	5.0

RELATION OF PROFITS AFTER TAXES TO STOCKHOLDERS' EQUITY AND TO SALES, ALL MANUFACTURING CORPORATIONS, 1947-82

	Ratio of profits after income taxes (annual rate) to stockholders' equity-percent[1]			Profits after income taxes per dollar of sales—cents		
Year or quarter:	**All manufacturing corporations**	**Durable goods industries**	**Nondurable goods industries**	**All manufacturing corporations**	**Durable goods industries**	**Nondurable goods industries**
New series:						
1973:IV	14.3	13.3	15.3	5.6	5.0	6.1
1974	14.9	12.6	17.1	5.5	4.7	6.4
1975	11.6	10.3	12.9	4.6	4.1	5.1
1976	13.9	13.7	14.2	5.4	5.2	5.5
1977	14.2	14.5	13.8	5.3	5.3	5.3
1978	15.0	16.0	14.2	5.4	5.5	5.3
1979	16.4	15.4	17.4	5.7	5.2	6.1
1980	13.9	11.2	16.3	4.8	4.0	5.6
1981	13.6	11.9	15.2	4.7	4.3	5.1
1979:						
I	15.7	16.2	15.3	5.6	5.5	5.6
II	18.1	18.4	17.8	6.1	6.0	6.3
III	16.3	14.0	18.4	5.7	4.8	6.4
IV	15.7	13.4	17.9	5.3	4.6	6.0
1980:						
I	15.4	12.6	18.0	5.3	4.4	6.1
II	13.6	10.6	16.4	4.8	3.8	5.7
III	12.5	9.1	15.6	4.5	3.4	5.5
IV	14.0	12.6	15.2	4.7	4.4	5.0
1981:						
I	13.6	12.0	15.0	4.7	4.3	5.0
II	15.6	14.6	16.6	5.3	4.9	5.5
III	13.4	11.6	14.9	4.7	4.2	5.1
IV	12.0	9.5	14.2	4.3	3.5	4.9
1982:						
I	10.1	7.7	12.1	3.8	3.0	4.4
II	10.5	9.2	11.6	3.9	3.4	4.2
III	9.2	5.9	12.1	3.5	2.4	4.4

[1] Annual ratios based on average equity for the year (using four end-of-quarter figures). Quarterly ratios based on equity at end of quarter only.

Note.—Based on data in millions of dollars.

CURRENT ASSETS AND LIABILITIES OF U.S. CORPORATIONS, 1939-82

[Billions of dollars]

End of year or quarter:	Current assets						Current liabilities				
	Total	Cash[1]	U.S. Government securities[2]	Notes and accounts receivable	Inventories	Other current assets	Total	Notes and accounts payable	Other current liabilities	Net working capital	Current ratio[3]
	All corporations[4]										
SEC series:[5]											
1939	54.5	10.8	2.2	22.1	18.0	1.4	30.0	21.9	8.1	24.5	1.817
1940	60.3	13.1	2.0	24.0	19.8	1.5	32.8	23.2	9.6	27.5	1.838
1941	72.9	13.9	4.0	28.0	25.6	1.4	40.7	26.4	14.3	32.3	1.791
1942	83.6	17.6	10.1	27.3	27.3	1.3	47.3	26.0	21.3	36.3	1.767
1943	93.8	21.6	16.4	26.9	27.6	1.3	51.6	26.3	25.3	42.1	1.818
1944	97.2	21.6	20.9	26.5	26.8	1.4	51.7	26.8	24.9	45.6	1.880
1945	97.4	21.7	21.1	25.9	26.3	2.4	45.8	25.7	20.1	51.6	2.127
1946	108.1	22.8	15.3	30.7	37.6	1.7	51.9	31.6	20.3	56.2	2.083
1947	123.6	25.0	14.1	38.3	44.6	1.6	61.5	37.6	23.9	62.1	2.010
1948	133.0	25.3	14.8	42.4	48.9	1.6	64.4	39.3	25.0	68.6	2.065
1949	133.1	26.5	16.8	43.0	45.3	1.4	60.7	37.5	23.3	72.4	2.193
1950	161.5	28.1	19.7	56.8	55.1	1.7	79.8	48.3	31.6	81.6	2.024
1951	179.1	30.0	20.7	61.5	64.9	2.1	92.6	54.9	37.8	86.5	1.934
1952	136.2	30.8	19.9	67.4	65.8	2.4	96.1	59.3	36.8	90.1	1.938
1953	190.6	31.1	21.5	68.5	67.2	2.4	98.9	59.5	39.4	91.8	1.927
1954	194.6	33.4	19.2	73.6	65.3	3.1	99.7	61.7	38.0	94.9	1.952
1955	224.0	34.6	23.5	88.9	72.8	4.2	121.0	76.1	45.0	103.0	1.851
1956	237.9	34.8	19.1	97.7	80.4	5.9	130.5	83.9	46.6	107.4	1.823
1957	244.7	34.9	18.6	102.2	82.2	6.7	133.1	86.6	46.5	111.6	1.838
1958	255.3	37.4	18.8	109.7	81.9	7.5	136.6	90.4	46.2	118.7	1.869
1959	277.3	36.3	22.8	120.6	88.4	9.1	153.1	101.0	52.0	124.2	1.811
1960	289.0	37.2	20.1	129.2	91.8	10.6	160.4	106.8	53.6	128.6	1.802
1961	306.8	41.1	20.0	139.2	95.2	11.4	171.2	114.6	56.6	135.6	1.792
	Nonfinancial corporations[6]										
SEC series:[5]											
1961	254.7	34.8	16.5	97.9	95.0	10.5	123.7	84.4	39.3	131.0	2.059
1962	269.7	37.1	16.8	103.2	100.5	12.1	132.4	88.7	43.7	137.3	2.037
1963	288.2	39.8	16.7	110.5	106.8	14.4	145.5	97.0	48.5	142.7	1.981
1964	305.6	40.5	15.8	119.9	113.1	16.3	156.6	104.9	51.7	149.0	1.951
1965	336.0	42.8	14.4	134.1	126.6	18.1	178.8	121.5	57.3	157.2	1.879
1966	364.0	41.9	13.0	146.6	142.8	19.7	199.4	137.5	61.9	164.6	1.825
1967	386.2	45.5	10.3	155.3	153.1	22.0	211.3	147.1	64.2	174.9	1.828
1968	426.5	48.2	11.5	173.9	166.0	26.9	244.1	168.8	75.3	182.4	1.747
1969	473.6	47.9	10.6	197.0	186.4	31.6	287.8	199.2	88.6	165.7	1.646
1970	492.3	50.2	7.7	206.1	193.3	35.0	304.9	211.3	93.6	187.4	1,615
1971	529.6	53.3	11.0	221.1	200.4	43.8	326.0	220.5	105.5	203.6	1.625
1972	599.3	59.0	10.6	248.2	225.7	55.8	375.6	282.9	92.7	223.7	1.595
1973	697.8	66.3	12.8	288.5	263.9	66.4	450.9	340.3	110.7	246.9	1.548
1974	790.7	71.1	12.3	322.1	313.6	71.7	530.4	402.3	128.1	260.3	1.491

CURRENT ASSETS AND LIABILITIES OF U.S. CORPORATIONS, 1939-82

[Billions of dollars]

End of year or quarter:	Current assets						Current liabilities				
	Total	Cash[1]	U.S. Government securities[2]	Notes and accounts receivable	Inventories	Other current assets	Total	Notes and accounts payable	Other current liabilities	Net working capital	Current ratio[3]
	All corporations[6]										
FTC-FRB series:[7]											
1974	735.4	73.2	11.1	265.8	319.5	65.9	453.4	269.8	183.6	282.0	1.622
1975	759.0	82.1	19.0	272.1	315.9	69.9	451.6	264.2	187.4	307.4	1.681
1976	827.4	88.2	23.5	292.9	342.5	80.3	495.1	282.1	213.0	332.4	1.671
1977	912.7	97.2	18.2	330.3	376.9	90.1	557.1	317.6	239.6	355.5	1.638
1978	1,043.7	105.5	17.3	388.0	431.6	101.3	669.3	382.9	286.4	374.4	1.559
1979	1,218.2	118.0	17.0	461.1	505.5	116.7	807.8	461.2	346.6	410.5	1.508
1980	1,333.5	127.1	19.3	510.6	543.7	132.7	890.9	515.2	375.7	442.6	1.497
1981	1,427.1	131.7	17.9	536.7	587.1	153.6	980.0	562.9	417.1	447.1	1.456
1981:											
I	1,374.5	126.6	19.2	528.0	560.2	140.5	923.2	520.3	402.9	451.3	1.489
II	1,388.3	126.2	19.9	533.1	565.3	143.8	931.5	525.9	405.5	456.8	1.490
III	1,410.9	125.1	18.0	542.4	577.0	148.3	967.2	549.5	417.7	443.7	1.459
IV	1,427.1	131.7	17.9	536.7	587.1	153.6	980.0	562.9	417.1	447.1	1,456
1982:											
I	1,423.6	121.3	17.1	537.8	593.8	153.6	985.7	555.0	430.8	437.9	1.444
II	1,419.4	123.4	17.4	534.4	589.2	155.0	982.6	554.9	427.8	436.8	1.445

[1] Includes time certificates of deposit.

[2] Includes Federal agency issues.

[3] Total current assets divided by total current liabilities

[4] Excludes banks, savings and loan associations, and insurance companies.

[5] Based on data from "Statistics of Income." Department of the Treasury.

[6] Excludes banks, savings and loan associations, insurance companies, investment companies, finance companies (personal and commercial), real estate companies, and security and commodity brokers, dealers and exchanges.

[7] Based on data from "Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations," Federal Trade Commission. See "Federal Reserve Bulletin" July 1978, for details regarding the series.

Note—SEC series not available after 1974.

STATE AND MUNICIPAL AND CORPORATE SECURITIES OFFERED, 1934—82

[Millions of dollars]

Year or quarter	State and municipal securities offered for cash (principal amounts)	Corporate securities offered for cash								
			Type of corporate security			Industry of corporate issuer				
		Total corporate offerings	Common stock	Preferred stock	Bonds and notes	Manufacturing[1]	Electric gas, and water[2]	Transportation[3]	Communication	Other
1934	939	397	19	6	372	67	133	176	....	21
1939	1,128	2,164	87	98	1,979	604	1,271	186	....	103
1940	1,238	2,677	108	183	2,386	992	1,203	324	....	159
1941	956	2,667	110	167	2,389	848	1,357	366	....	96
1942	524	1,062	34	112	917	539	472	48	....	4
1943	435	1,170	56	124	990	510	477	161	....	21
1944	661	3,202	163	369	2,670	1,061	1,422	609	....	109
1945	795	6,011	397	758	4,855	2,026	2,319	1,454	....	211
1946	1,157	6,900	891	1,127	4,882	3,701	2,158	711	....	329
1947	2,324	6,577	779	762	5,036	2,742	3,257	286	....	293
1948	2,690	7,078	614	492	5,973	2,226	2,187	755	902	1,008
1949	2,907	6,052	736	425	4,890	1,414	2,320	800	571	946
1950	3,532	6,362	811	631	4,920	1,200	2,649	813	399	1,300
1951	3,189	7,741	1,212	838	5,691	3,122	2,455	494	612	1,058
1952	4,401	9,534	1,369	564	7,601	4,039	2,675	992	760	1,068
1953	5,558	8,898	1,326	489	7,083	2,254	3,029	595	882	2,138
1954	6,969	9,516	1,213	816	7,488	2,268	3,713	778	720	2,037
1955	5,977	10,240	2,185	635	7,420	2,994	2,464	893	1,132	2,757
1956	5,446	10,939	2,301	636	8,002	3,647	2,529	724	1,419	2,619
1957	6,958	12,884	2,516	411	9,957	4,234	3,938	824	1,462	2,426
1958	7,449	11,558	1,334	571	9,653	3,515	3,804	824	1,424	1,991
1959	7,681	9,748	2,027	531	7,190	2,073	3,258	967	717	2,733
1960	7,230	10,154	1,664	409	8,081	2,152	2,851	718	1,050	3,383
1961	8,360	13,165	3,294	450	9,420	4,077	3,032	694	1,834	3,527
1962	8,558	10,705	1,314	422	8,969	3,249	2,825	567	1,303	2,761
1963	10,107	12,211	1,011	343	10,856	3,514	2,677	957	1,105	3,957
1964	10,544	13,957	2,679	412	10,865	3,046	2,760	982	2,189	4,980
1965	11,148	14,782	1,473	724	12,585	5,414	2,934	702	945	4,787
1966	11,089	17,385	1,901	580	14,904	7,056	3,666	1,494	2,003	3,167
1967	14,288	24,014	1,927	881	21,206	11,069	4,935	1,639	1,975	4,396
1968	16,374	21,261	3,885	636	16,740	6,958	5,293	1,564	1,775	5,671
1969	11,460	25,997	7,640	691	17,666	6,346	6,715	1,779	2,172	8,985

STATE AND MUNICIPAL AND CORPORATE SECURITIES OFFERED, 1934—82 (Continued)

[Millions of dollars]

		Corporate securities offered for cash								
			Type of corporate security			Industry of corporate issuer				
Year or quarter	State and municipal securities offered for cash (principal amounts)	Total corporate offerings	Common stock	Preferred stock	Bonds and notes	Manufacturing[1]	Electric gas, and water[2]	Transportation[3]	Communication	Other
1970	17,762	37,451	7,037	1,390	29,023	10,647	11,009	1,253	5,291	9,252
1971	24,370	43,229	9,485	3,683	30,061	11,651	11,721	1,148	5,840	12,867
1972	22,941	39,705	10,707	3,371	25,628	6,398	11,314	860	4,836	16,298
1973	22,953	31,680	7,642	3,341	20,700	4,832	10,269	811	4,872	10,897
1974	22,824	37,820	4,050	2,273	31,497	10,511	12,836	1,005	3,932	9,632
1975	29,326	53,632	7,414	3,459	42,759	18,652	15,893	3,637	4,466	10,983
1976	33,845	53,314	8,305	2,803	42,206	15,496	14,418	4,649	3,562	15,194
1977	45,060	54,229	8,047	3,916	42,266	13,757	13,704	3,218	4,443	19,113
1978	46,215	48,212	7,937	2,832	37,443	11,062	12,253	2,696	3,640	18,565
1979	42,261	53,093	8,706	3,530	40,857	11,563	13,736	3,297	4,694	19,803
1980	47,133	78,896	18,996	3,635	56,265	24,398	15,940	3,727	7,401	27,429
1981	46,134	72,503	25,107	1,788	45,606	17,395	14,495	2,779	6,158	31,676
1982: First 3 quarters	49,231	54,587	14,993	3,497	36,097	9,847	13,127	1,310	1,765	28,535
1981:										
I	9,159	16,681	5,011	804	10,865	5,577	3,269	858	1,354	5,623
II	13,361	23,758	9,647	437	13,674	6,044	4,516	1,211	2,294	9,693
III	9,882	11,529	5,093	267	6,168	1,862	2,986	410	1,807	4,464
IV	13,732	20,535	5,356	280	14,899	3,912	3,724	300	703	11,896
1982:										
I	12,770	15,572	4,657	582	10,333	2,348	4,269	399	519	8,037
II	17,627	15,960	5,800	1,126	9,034	1,771	4,372	280	556	8,978
III	18,834	23,055	4,536	1,789	16,730	5,728	4,486	631	690	11,520

[1] Prior to 1948, also includes extractive, radio broadcasting, airline companies, commercial, and miscellaneous company issues.

[2] Prior to 1948, also incudes telephone, street railway, and bus company issues.

[3] Prior to 1948, includes railroad issues only.

Note—Covers substantially all new issues of State, municipal, and corporate securities offered for cash sale in the United States in amounts over $100,000 and with terms to maturity of more than 1 year; excludes notes issued exclusively to commercial banks, intercorporate transactions, and issues to be sold over an extended period, such as employee-purchase plans. Close-end investment company issues are included beginning 1973.

BUSINESS FORMATION AND BUSINESS FAILURES, 1929-82

Year or month	Index of net business formation (1967 = 100)	New business incorporations (number)	Business failures[1]						
			Business failure rate[2]	Number of failures			Amount of current liabilities (millions of dollars)		
					Liability size class			Liability size class	
				Total	Under $100,000	$100,000 and over	Total	Under $100,000	$100,000 and over
1929	....	....	103.9	22,909	22,165	744	483.3	261.5	221.8
1933[3]	....	....	100.3	19,859	18,880	979	457.5	215.5	242.0
1939[3]	....	....	69.6	14,768	14,541	227	182.5	132.9	49.7
1940	....	....	63.0	13,619	13,400	219	166.7	119.9	46.8
1941	....	....	54.4	11,848	11,685	163	136.1	100.7	35.4
1942	....	....	44.6	9,405	9,282	123	100.8	80.3	20.5
1943	....	....	16.4	3,221	3,155	66	45.3	30.2	15.1
1944	....	....	6.5	1,222	1,176	46	31.7	14.5	17.1
1945	....	....	4.2	809	759	50	30.2	11.4	18.8
1946	....	132,916	5.2	1,129	1,003	126	67.3	15.7	51.6
1947	....	112,897	14.3	3,474	3,103	371	204.6	63.7	140.9
1948	104.8	96,346	20.4	5,250	4,853	397	234.6	93.9	140.7
1949	86.4	85,640	34.4	9,246	8,708	538	308.1	161.4	146.7
1950	90.8	93,092	34.3	9,162	8,746	416	248.3	151.2	97.1
1951	90.1	83,778	30.7	8,058	7,626	432	259.5	131.6	128.0
1952	94.5	92,946	28.7	7,611	7,081	530	283.3	131.9	151.4
1953	92.4	102,706	33.2	8,862	8,075	787	394.2	167.5	226.6
1954	90.8	117,411	42.0	11,086	10,226	860	462.6	211.4	251.2
1955	98.2	139,915	41.6	10,969	10,113	856	449.4	206.4	243.0
1956	95.4	141,163	48.0	12,686	11,615	1,071	562.7	239.8	322.9
1957	91.4	137,112	51.7	13,739	12,547	1,192	615.3	267.1	348.2
1958	91.1	150,781	55.9	14,964	13,499	1,465	728.3	297.6	430.7
1959	98.1	193,067	51.8	14,053	12,707	1,346	692.8	278.9	413.9
1960	94.5	182,713	57.0	15,445	13,650	1,795	938.6	327.2	611.4
1961	91.1	181,535	64.4	17,075	15,006	2,069	1,090.1	370.1	720.0
1962	92.8	182,057	60.8	15,782	13,772	2,010	1,213.6	346.5	867.1
1963	94.7	186,404	56.3	14,374	12,192	2,182	1,352.6	321.0	1,031.6
1964	98.0	197,724	53.2	13,501	11,346	2,155	1,329.2	313.6	1,015.6
1965	99.5	203,897	53.3	13,514	11,340	2,174	1,321.7	321.7	1,000.0
1966	98.9	200,010	51.6	13,061	10,833	2,228	1,385.7	321.5	1,064.1
1967	100.0	206,569	49.0	12,364	10,144	2,220	1,265.2	297.9	967.3
1968	107.6	233,635	38.6	9,636	7,829	1,807	941.0	241.1	899.9
1969	113.5	274,267	37.3	9,154	7,192	1,962	1,142.1	231.3	910.8

BUSINESS FORMATION AND BUSINESS FAILURES, 1929-82

			Business failures[1]						
				Number of failures			Amount of current liabilities (millions of dollars)		
					Liability size class			Liability size class	
Year or month	Index of net business formation (1967 = 100)	New business incorporations (number)	Business failure rate[2]	Total	Under $100,000	$100,000 and over	Total	Under $100,000	$100,000 and over
1970	107.1	264,209	43.8	10,748	8,019	2,729	1,887.8	269.3	1,618.4
1971	109.5	287,577	41.7	10,326	7,611	2,715	1,916.9	271.3	1,645.6
1972	115.5	316,601	38.3	9,566	7,040	2,526	2,000.2	258.8	1,741.5
1973	115.5	329,358	36.4	9,345	6,627	2,718	2,298.6	235.6	2,063.0
1974	111.2	319,149	38.4	9,915	6,733	3,182	3,053.1	256.9	2,796.3
1975	108.8	326,345	42.6	11,432	7,504	3,928	4,380.2	298.6	4,081.6
1976	117.2	375,766	34.8	9,628	6,176	3,452	3,011.3	257.8	2,753.4
1977	126.5	436,170	28.4	7,919	4,861	3,058	3,095.3	208.3	2,887.0
1978	132.9	478,019	23.9	6,619	3,712	2,907	2,656.0	164.7	2,491.3
1979	131.7	524,565	27.8	7,564	3,930	3,634	2,667.4	179.9	2,487.5
1980	121.1	533,520	42.1	11,742	5,682	6,060	4,635.1	272.5	4,362.6
1981	113.5	581,242	61.3	16,794	8,233	8,561	6,955.2	405.8	6,549.3
1981:									
Jan.	118.1	46,039	48.6	1,109	559	550	341.4	27.6	313.8
Feb.	117.1	48,588	47.8	1,133	546	587	789.2	25.7	763.5
Mar.	117.7	47,972	47.6	1,212	572	640	485.3	28.0	457.3
Apr.	118.0	49,413	61.8	1,557	736	821	536.9	44.8	492.1
May	115.4	48,997	62.0	1,464	730	734	428.2	35.1	393.1
June	114.6	49,172	60.8	1,408	711	697	408.5	32.3	376.3
July	113.1	49,038	65.9	1,432	739	693	619.5	37.7	581.8
Aug.	113.6	48,631	53.3	1,172	576	596	450.4	27.5	422.9
Sept.	111.5	48,450	87.0	1,777	879	898	752.3	42.6	709.7
Oct.	107.6	47,947	69.4	1,604	768	836	897.9	36.7	861.2
Nov.	108.8	49,413	65.7	1,368	655	713	618.8	30.7	588.1
Dec.	106.2	47,556	72.2	1,558	762	796	626.7	37.2	589.5
1982:[4]									
Jan.	(4)	43,330	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Feb.	(4)	47,234	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Mar.	(4)	46,899	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Apr.	(4)	46,876	(4)	(4)	(4)	(4)	(4)	(4)	(4)
May	(4)	46,995	(4)	(4)	(4)	(4)	(4)	(4)	(4)
June	(4)	45,936	(4)	(4)	(4)	(4)	(4)	(4)	(4)
July	(4)	44,525	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Aug.	(4)	46,981	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Sept.	(4)	45,552	(4)	(4)	(4)	(4)	(4)	(4)	(4)

[1] Commercial and industrial failures only. Excludes failures of banks and railroads and, beginning 1933, of real estate, insurance, holding, and financial companies, steamship lines, travel agencies, etc.

[2] Failure rate per 10,000 listed enterprises.

[3] Series revised; not strictly comparable with earlier data.

[4] Not available.

U.S. INTERNATIONAL TRANSACTIONS, 1946-82

[Millions of dollars; quarterly data seasonally adjusted, except as noted. Credits (+), debits (-)]

Year or quarter	Merchandise[1] [2]			Investment income[3]			Net military transactions	Net travel and transportation receipts	Other services, net[3]	Balance on goods and services[1] [4]	Remittances, pensions, and other unilateral transfers[1]	Balance on current account[1] [4]
	Exports	Imports	Net	Receipts	Payments	Net						
1946	11,764	-5,067	6,697	772	-212	560	-493	733	310	7,807	-2,922	4,885
1947	16,097	-5,973	10,124	1,102	-245	857	-455	946	145	11,617	-2,625	8,992
1948	13,265	-7,557	5,708	1,921	-437	1,484	-799	374	175	6,942	-4,525	2,417
1949	12,213	-6,874	5,339	1,831	-476	1,355	-621	230	208	6,511	-5,638	873
1950	10,203	-9,081	1,122	2,068	-559	1,509	-576	-120	242	2,177	-4,017	-1,840
1951	14,243	-11,176	3,067	2,633	-583	2,050	-1,270	298	254	4,399	-3,515	884
1952	13,449	-10,838	2,611	2,751	-555	2,196	-2,054	83	309	3,145	-2,531	614
1953	12,412	-10,975	1,437	2,736	-624	2,112	-2,423	-238	307	1,195	-2,481	-1,286
1954	12,929	-10,353	2,576	2,929	-582	2,347	-2,460	-269	305	2,499	-2,280	219
1955	14,424	-11,527	2,897	3,406	-676	2,730	-2,701	-297	299	2,928	-2,498	430
1956	17,556	-12,803	4,753	3,837	-735	3,102	-2,788	-361	447	5,153	-2,423	2,730
1957	19,562	-13,291	6,271	4,180	-796	3,384	-2,841	-189	482	7,107	-2,345	4,762
1958	16,414	-12,952	3,462	3,790	-825	2,965	-3,135	-633	486	3,145	-2,361	784
1959	16,458	-15,310	1,148	4,132	-1,061	3,071	-2,805	-821	573	1,166	-2,448	-1,282
1960	19,650	-14,758	4,892	4,616	-1,237	3,379	-2,752	-964	579	5,132	-2,308	2,824
1961	20,108	-14,537	5,571	4,999	-1,245	3,754	-2,596	-978	594	6,346	-2,524	3,822
1962	20,781	-16,260	4,521	5,618	-1,324	4,294	-2,449	-1,152	809	6,025	-2,638	3,387
1963	22,272	-17,048	5,224	6,157	-1,561	4,596	-2,304	-1,309	960	7,167	-2,754	4,414
1964	25,501	-18,700	6,801	6,824	-1,784	5,040	-2,133	-1,146	1,041	9,604	-2,781	6,823
1965	26,461	-21,510	4,951	7,437	-2,088	5,349	-2,122	-1,280	1,387	8,285	-2,854	5,432
1966	29,310	-25,493	3,817	7,528	-2,481	5,047	-2,935	-1,331	1,365	5,963	-2,932	3,031
1967	30,666	-26,866	3,800	8,020	-2,747	5,273	-3,226	-1,750	1,612	5,708	-3,125	2,583
1968	33,626	-32,991	635	9,368	-3,378	5,990	-3,143	-1,548	1,630	3,563	-2,952	611
1969	36,414	-35,807	607	10,912	-4,869	6,043	-3,328	-1,763	1,833	3,393	-2,994	399
1970	42,469	-39,866	2,603	11,747	-5,516	6,231	-3,354	-2,038	2,180	5,625	-3,294	2,331
1971	43,319	-45,579	-2,260	12,707	-5,436	7,271	-2,893	-2,345	2,495	2,269	-3,701	-1,433
1972	49,381	-55,797	-6,416	14,764	-6,572	8,192	-3,420	-3,063	2,766	-1,941	-3,854	-5,795
1973	71,410	-70,499	911	21,808	-9,655	12,153	-2,070	-3,158	3,184	11,021	-3,881	7,140
1974	98,306	-103,649	-5,343	27,587	-12,084	15,503	-1,653	-3,184	3,986	9,309	[5] -7,186	2,124
1975	107,088	-98,041	9,047	25,351	-12,564	12,787	-746	-2,792	4,598	22,893	-4,613	18,280
1976	114,745	-124,051	-9,306	29,286	-13,311	15,975	559	-2,558	4,711	9,382	-4,998	4,384
1977	120,816	-151,689	-30,873	32,179	-14,217	17,962	1,528	-3,293	5,224	-9,451	-4,617	-14,068
1978	142,054	-175,813	-33,759	42,245	-21,680	20,565	621	-3,125	5,955	-9,743	-5,030	-14,773
1979	184,473	-211,819	-27,346	64,129	-32,914	31,215	-2,035	-2,429	5,690	5,095	-5,561	-466

U.S. HOUSING STARTS

New Privately-Owned, Seasonally Adjusted Annual Rates According to the U.S. Dept. of Commerce (Thousands of Units)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
January	2,486	1,437	1,016	1,367	1,519	1,718	1,630	1,341	1,588	877
February	2,376	1,881	923	1,538	1,856	1,738	1,520	1,350	1,279	911
March	2,309	1,511	990	1,421	2,064	2,032	1,847	1,047	1,305	920
April	2,096	1,580	996	1,395	1,883	2,197	1,748	1,051	1,332	911
May	2,313	1,467	1,109	1,459	1,985	2,075	1,876	927	1,150	1,028
June	2,067	1,533	1,067	1,495	1,907	2,070	1,913	1,196	1,047	910
July	2,120	1,314	1,229	1,401	2,062	2,092	1,760	1,269	1,035	1,185
August	2,058	1,156	1,253	1,550	2,023	1,996	1,778	1,436	949	1,046
September	1,861	1,157	1,281	1,720	1,982	1,970	1,832	1,471	900	1,134
October	1,692	1,106	1,368	1,629	2,078	1,981	1,681	1,523	866	1,142
November	1,721	1,017	1,370	1,641	2,041	2,094	1,524	1,510	839	1,361
December	1,441	874	1,336	1,804	2,151	2,044	1,498	1,482	906	1,263

U.S. HOUSING PERMITS

Privately Owned, Seasonally Adjusted Annual Rates According to the U.S. Dept. of Commerce (Thousands of Units)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
January	2,267	1,306	718	1,185	1,454	1,723	1,475	1,289	1,214	803
February	2,256	1,322	729	1,176	1,538	1,705	1,491	1,167	1,165	792
March	2,121	1,395	721	1,181	1,663	1,742	1,692	962	1,153	851
April	1,987	1,264	843	1,120	1,655	1,914	1,548	932	1,186	879
May	1,902	1,159	903	1,183	1,656	1,756	1,648	824	1,167	944
June	2,070	1,115	938	1,170	1,739	1,983	1,639	1,055	963	929
July	1,814	1,040	1,016	1,229	1,678	1,765	1,563	1,144	913	1,062
August	1,777	928	993	1,308	1,770	1,716	1,622	1,229	865	888
September	1,656	853	1,092	1,401	1,695	1,838	1,695	1,304	850	1,003
October	1,379	811	1,111	1,481	1,781	1,835	1,478	1,348	722	1,172
November	1,361	770	1,127	1,583	1,822	1,789	1,287	1,371	723	1,192
December	1,285	837	1,091	1,532	1,778	1,827	1,247	1,395	789	1,305

U.S. LUMBER PRODUCTION AND MILL STOCKS

According to National Forest Products Association (In Mil. Bd. Ft.)

	1980		1981		1982	
	Production	*Stocks	Production	*Stocks	Production	*Stocks
January	2,798	5,301	2,523	5,883	1,810	6,016
February	2,855	5,374	2,542	6,065	1,891	6,068
March	2,879	5,721	2,818	6,098	2,148	6,042
April	2,257	5,769	2,338	6,078	2,281	5,983
May	2,307	5,568	2,651	6,213	2,251	5,915
June	2,486	5,534	2,588	6,015	2,338	5,853
July	2,479	5,570	2,483	6,103	2,376	5,867
August	2,783	5,659	2,554	6,232	2,560	5,977
September	2,818	5,776	2,307	6,284	2,445	6,163
October	2,903	5,832	2,379	6,285	2,333	5,986
November	2,480	5,826	1,831	6,075	2,247	5,881
December	2,329	5,805	1,765	5,842	2,004	5,724

*End of month.

Section Six

CHARTS ON DAILY SETTLEMENT PRICE, MONTHLY VOLUME MONTHLY OPEN INTEREST

U.S. INTERNATIONAL TRANSACTIONS, 1946 82

[Millions of dollars; quarterly data seasonally adjusted, except as noted. Credits (+), debits (−)]

Year or quarter	Merchandise[1] [2]			Investment income[3]			Net military transactions	Net travel and transportation receipts	Other services, net[3]	Balance on goods and services[1] [4]	Remittances, pensions, and other unilateral transfers[1]	Balance on current account[1] [4]
	Exports	Imports	Net	Receipts	Payments	Net						
1980	224,237	−249,575	−25,338	72,686	−42,776	29,910	−2,471	−940	7,144	8,303	−6,783	1,520
1981	236,254	−264,143	−27,889	85,945	−52,908	33,037	−1,541	−231	7,702	11,079	−6,608	4,471
1980:												
I	54,752	−64,431	−9,679	19,944	−10,505	9,439	−931	−436	1,644	37	−1,837	−1,800
II	55,843	−62,363	−6,520	16,016	−10,268	5,748	−514	−216	1,808	306	−1,306	−1,000
III	55,786	−59,735	−3,949	17,848	−10,485	7,363	−286	−114	1,810	4,824	−1,444	3,380
IV	57,856	−63,046	−5,190	18,877	−11,519	7,358	−742	−174	1,879	3,131	−2,195	936
1981:												
I	60,683	−64,995	−4,312	20,528	−12,405	8,123	−487	−495	1,838	4,667	−1,422	3,245
II	60,284	−66,831	−6,547	21,642	−13,441	8,201	−587	−139	1,981	2,909	−1,510	1,399
III	57,694	−65,539	−7,845	22,048	−13,865	8,183	61	200	1,960	2,559	−1,808	751
IV	57,593	−66,778	−9,185	21,727	−13,198	8,529	−528	203	1,924	943	−1,870	−927
1982:												
I	55,780	−61,653	−5,873	20,890	−14,029	6,861	167	−66	2,034	3,123	−2,048	1,075
II	55,174	−60,869	−5,695	22,562	−14,874	7,688	247	−319	2,050	3,971	−1,740	2,231
III*p*	52,480	−64,938	−12,458	21,880	−14,462	7,418	527	−201	2,140	−2,574	−1,653	−4,227

[1] Excludes military.

[2] Adjusted from Census data for differences in valuation, coverage, and timing.

[3] Fees and royalties from U.S. direct investments abroad or from foreign direct investments in the United States are excluded from investment income and included in other services, net.

[4] In concept, balance on goods and services is equal to net exports and imports in the national income and product accounts (and the sum of balance on current account and allocations of special drawing rights is equal to net foreign investment in the accounts), although the series differ because of different handling of certain items (gold, extraordinary military shipments, etc.), revisions, etc.

[5] Includes extraordinary U.S. Goverment transactions with India.

U.S. INTERNATIONAL TRANSACTIONS, 1946-82

[Millions of dollars; quarterly data seasonally adjusted, except as noted]

Year or quarter	U.S. assets abroad, net [increase/capital outflow (−)]				Foreign assets in the U.S. net [increase/capital inflow (+)]			Allocations of special drawing rights (SDRs)	Statistical discrepancy	
	Total	U.S. official reserve assets[4]	Other U.S. Government assets	U.S. private assets	Total	Foreign official assets	Other foreign assets		Total (sum of the items with sign reversed)	Of which: Seasonal adjustment discrepancy
1946	....	−623	....	....	....	....	....	....	....	....
1947	....	−3,315	....	....	....	....	....	....	....	....
1948	....	−1,736	....	....	....	....	....	....	....	....
1949	....	−266	....	....	....	....	....	....	....	....
1950	....	1,758	....	....	....	....	....	....	....	....
1951	....	−33	....	....	....	....	....	....	....	....
1952	....	−415	....	....	....	....	....	....	....	....
1953	....	1,256	....	....	....	....	....	....	....	....
1954	....	480	....	....	....	....	....	....	....	....
1955	....	182	....	....	....	....	....	....	....	....
1956	....	−869	....	....	....	....	....	....	....	....
1957	....	−1,165	....	....	....	....	....	....	....	....
1958	....	2,292	....	....	....	....	....	....	....	....
1959	....	1,035	....	....	....	....	....	....	....	....
1960	−4,099	2,145	−1,100	−5,144	2,294	1,473	821	....	−1,019	....
1961	−5,538	607	−910	−5,235	2,705	765	1,939	....	−989	....
1962	−4,174	1,535	−1,085	−4,623	1,911	1,270	641	....	−1,124	....
1963	−7,270	378	−1,662	−5,986	3,217	1,986	1,231	....	−360	....
1964	9,560	171	−1,680	−8,050	3,643	1,660	1,983	....	−907	....
1965	−5,716	1,225	−1,605	−5,336	742	134	607	....	−458	....
1966	−7,321	570	−1,543	−6,347	3,661	−672	4,333	....	629	....
1967	−9,757	53	−2,423	−7,386	7,379	3,451	3,928	....	205	....
1968	−10,977	−870	−2,274	−7,833	9,928	−774	10,703	....	438	....
1969	−11,585	−1,179	−2,200	−8,206	12,702	−1,301	14,002	....	−1,516	....
1970	−9,337	2,481	−1,589	−10,229	6,359	6,908	−550	867	−219	....
1971	−12,475	2,349	−1,884	−12,940	22,970	26,879	−3,909	717	−9,779	....
1972	−14,497	−4	−1,568	−12,925	21,461	10,475	10,986	710	−1,879	....
1973	−22,874	158	−2,644	−20,388	18,388	6,026	12,362	....	−2,654	....
1974	−34,745	−1,467	[5]366	−33,643	34,241	10,546	23,696	....	−1,620	....

U.S. INTERNATIONAL TRANSACTIONS, 1946-82

[Millions of dollars; quarterly data seasonally adjusted, except as noted]

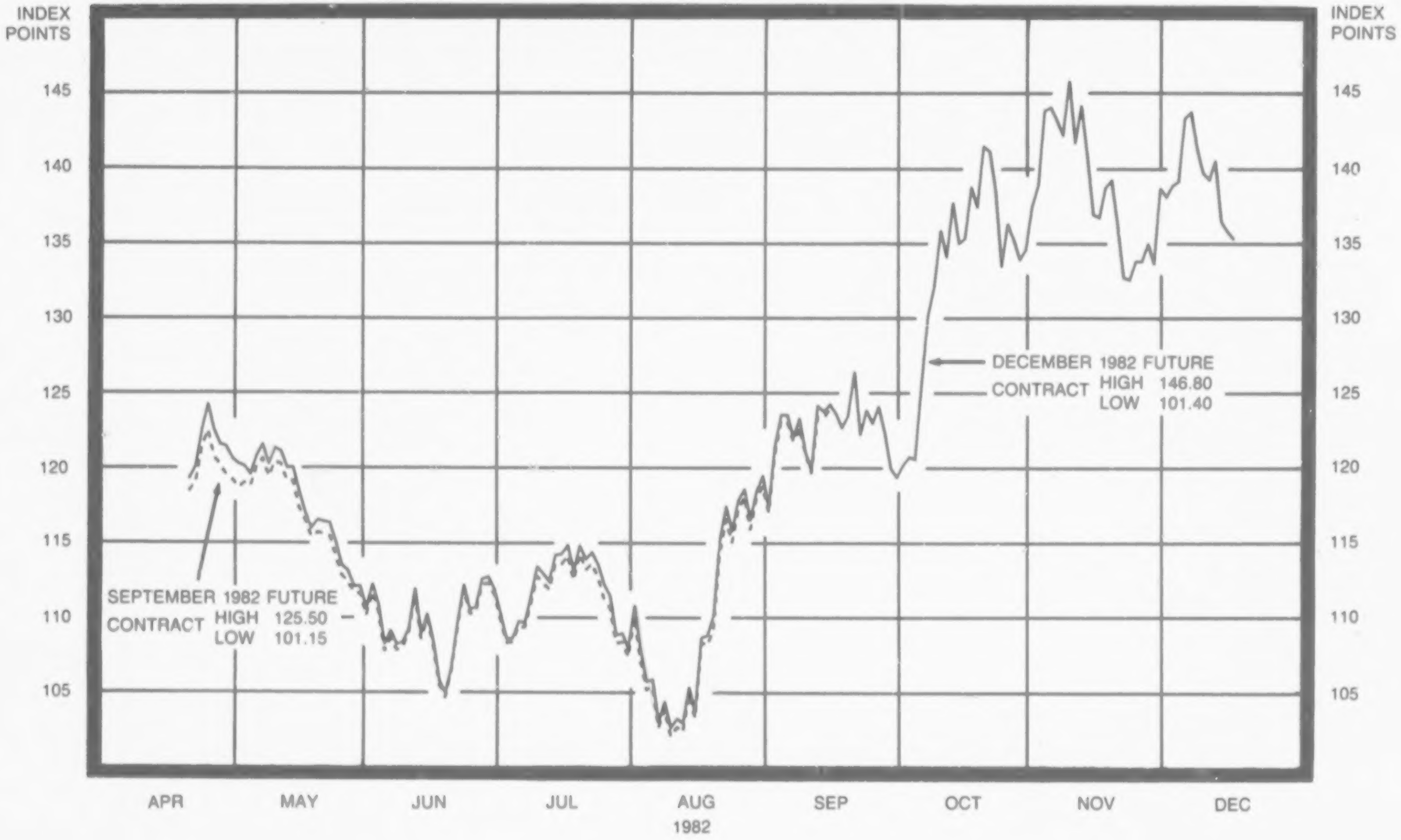
	U.S. assets abroad, net [increase/capital outflow (−)]				Foreign assets in the U.S. net [increase/capital inflow (+)]				Statistical discrepancy	
Year or quarter	Total	U.S. official reserve assets[6]	Other U.S. Government assets	U.S. private assets	Total	Foreign official assets	Other foreign assets	Allocations of special drawing rights (SDRs)	Total (sum of the items with sign reversed)	Of which: Seasonal adjustment discrepancy
1975	−39,703	−849	−3,474	−35,380	15,670	7,027	8,643	....	5,753	....
1976	−51,269	−2,558	−4,214	−44,498	36,518	17,693	18,826	....	10,367	....
1977	−34,785	−375	−3,693	−30,717	51,319	36,816	14,503	....	−2,465	....
1978	−61,130	732	−4,660	−57,202	64,036	33,678	30,358	....	11,866	....
1979	−64,344	−1,133	−3,743	−59,469	38,460	−13,697	52,157	1,139	25,212	....
1980	−86,026	−8,155	−5,126	−72,746	54,484	15,442	39,042	1,152	28,870	....
1981	−109,294	−5,175	−5,137	−98,982	77,921	4,785	73,136	1,093	25,809	....
1980:										
I	−12,916	−3,268	−1,438	−8,210	7,865	−7,421	15,286	1,152	5,700	−643
II	−24,962	502	−1,143	−24,321	8,616	7,644	972	....	17,346	795
II	−19,635	−1,109	−1,390	−17,136	12,647	7,541	5,106	....	3,608	−2,754
IV	−28,512	−4,279	−1,154	−23,079	25,356	7,678	17,677	....	2,219	2,605
1981:										
I	−22,796	−4,529	−1,375	−16,892	8,470	5,361	3,109	1,093	9,988	−829
II	−21,566	−905	−1,518	−19,143	13,464	−2,861	16,324	....	6,703	503
III	−17,257	−4	−1,257	−15,996	16,880	−5,835	22,715	....	−374	−2,144
IV	−47,677	262	−987	−46,952	39,107	8,119	30,988	....	9,497	2,474
1982:										
I	−31,201	−1,089	−904	−29,208	25,080	−3,122	28,202	....	5,045	−899
II	−37,790	−1,132	−1,547	−35,111	29,619	1,998	27,621	....	5,940	574
III*p*	−26,364	−794	−2,418	−23,152	16,054	2,102	13,952	....	14,537	−1,973

[6] Consists of gold, special drawing rights, convertible currencies, and the U.S. reserve position in the International Monetary Fund (IMF).

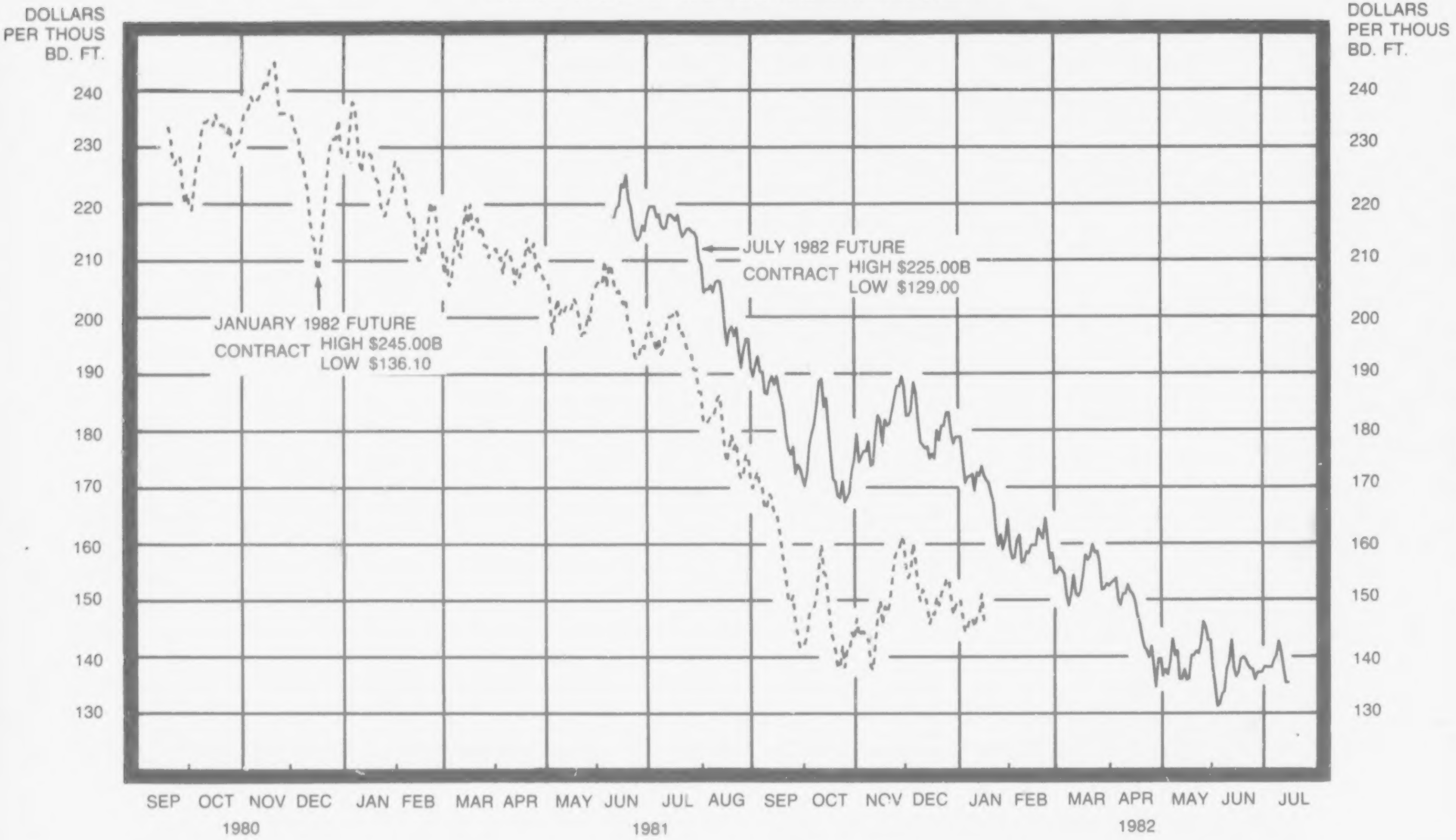
Note—Quarterly data for U.S. official reserve assets and foreign assets in the United States are not seasonally adjusted.

P—Preliminary

DAILY SETTLEMENT PRICES OF THE SEPTEMBER AND DECEMBER 1982
STANDARD & POORS 500 STOCK INDEX FUTURES CONTRACTS TRADED ON THE INDEX AND OPTION MARKET

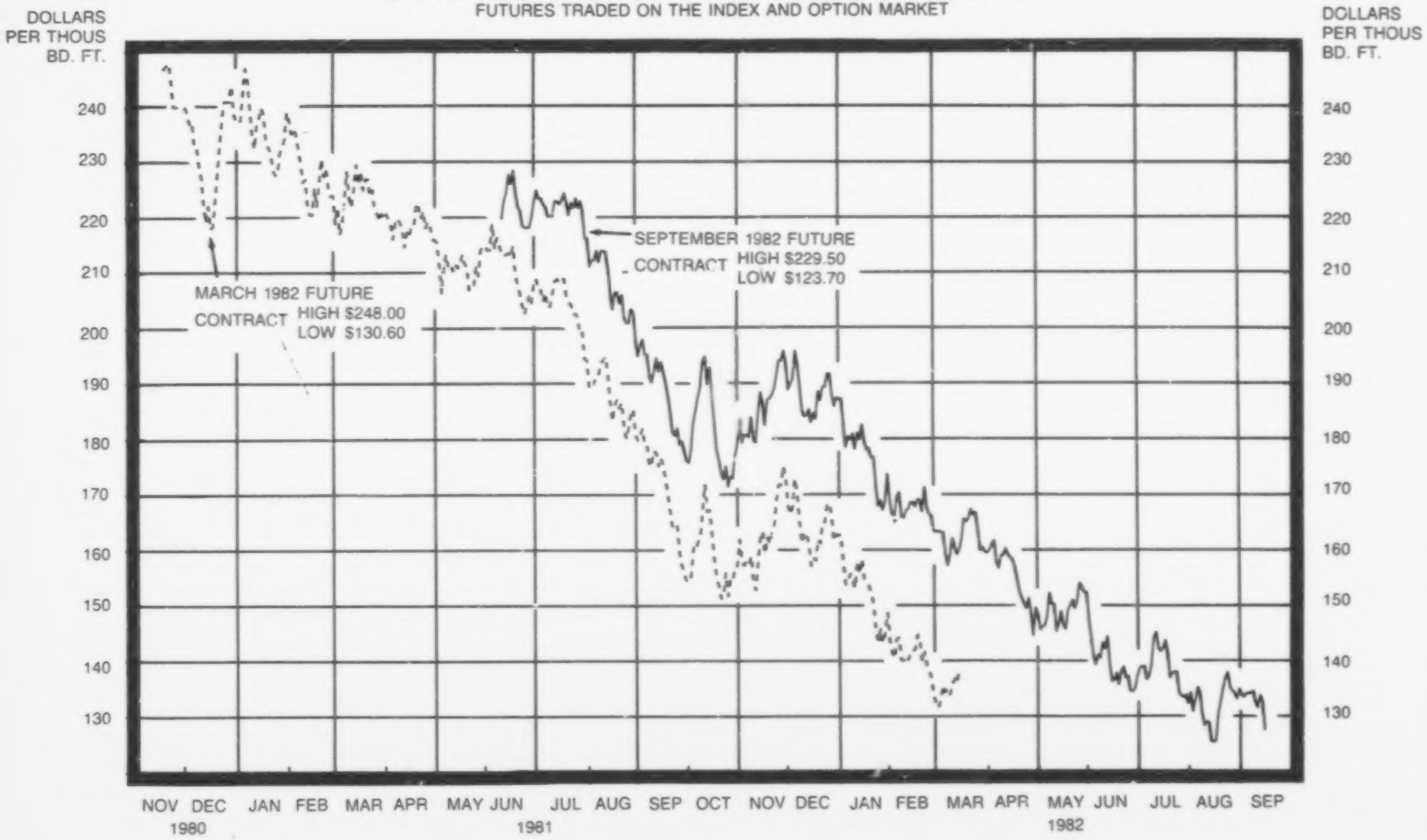


DAILY SETTLEMENT PRICES OF THE JANUARY AND JULY 1982 LUMBER FUTURES TRADED ON THE INDEX AND OPTION MARKET

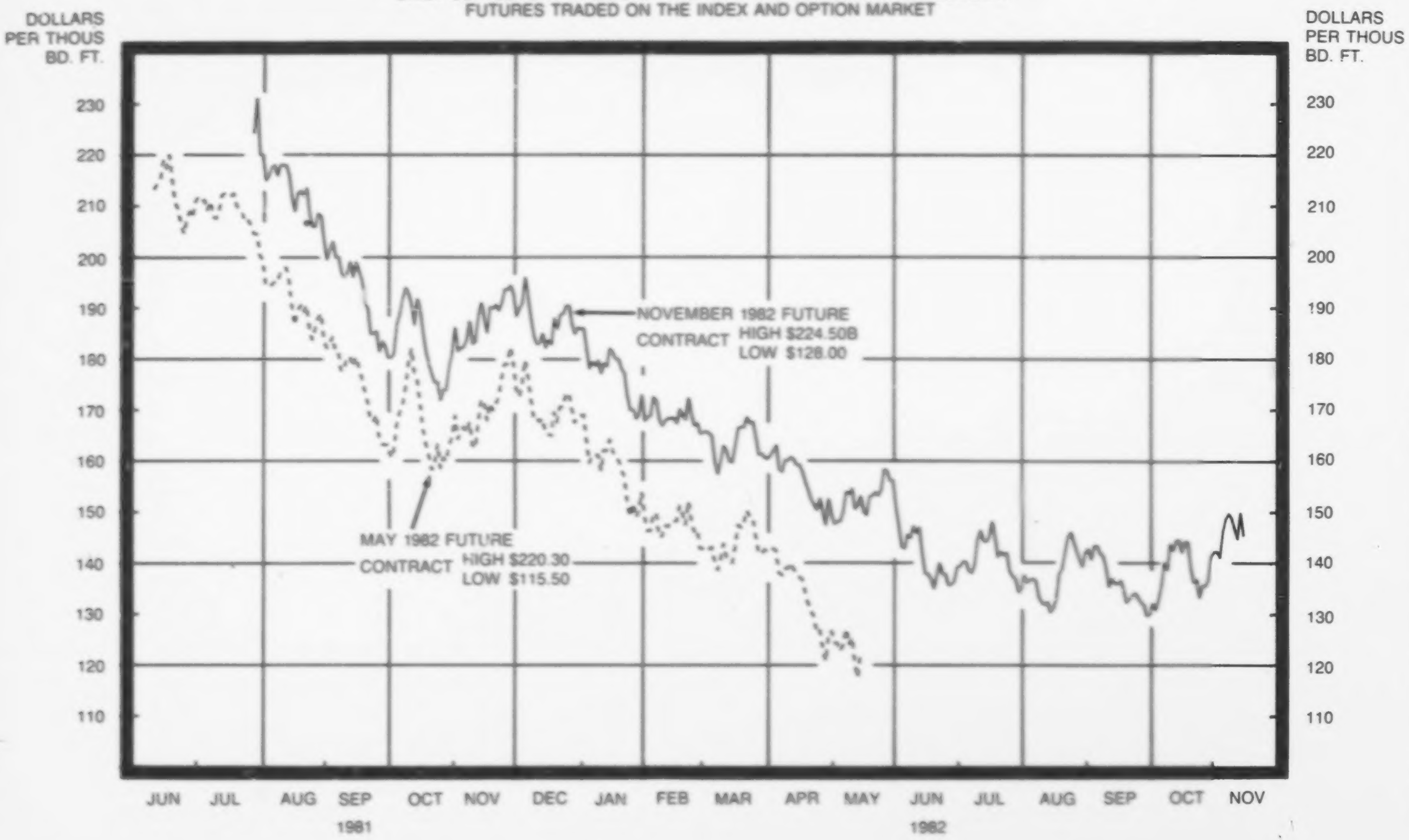


INDEX

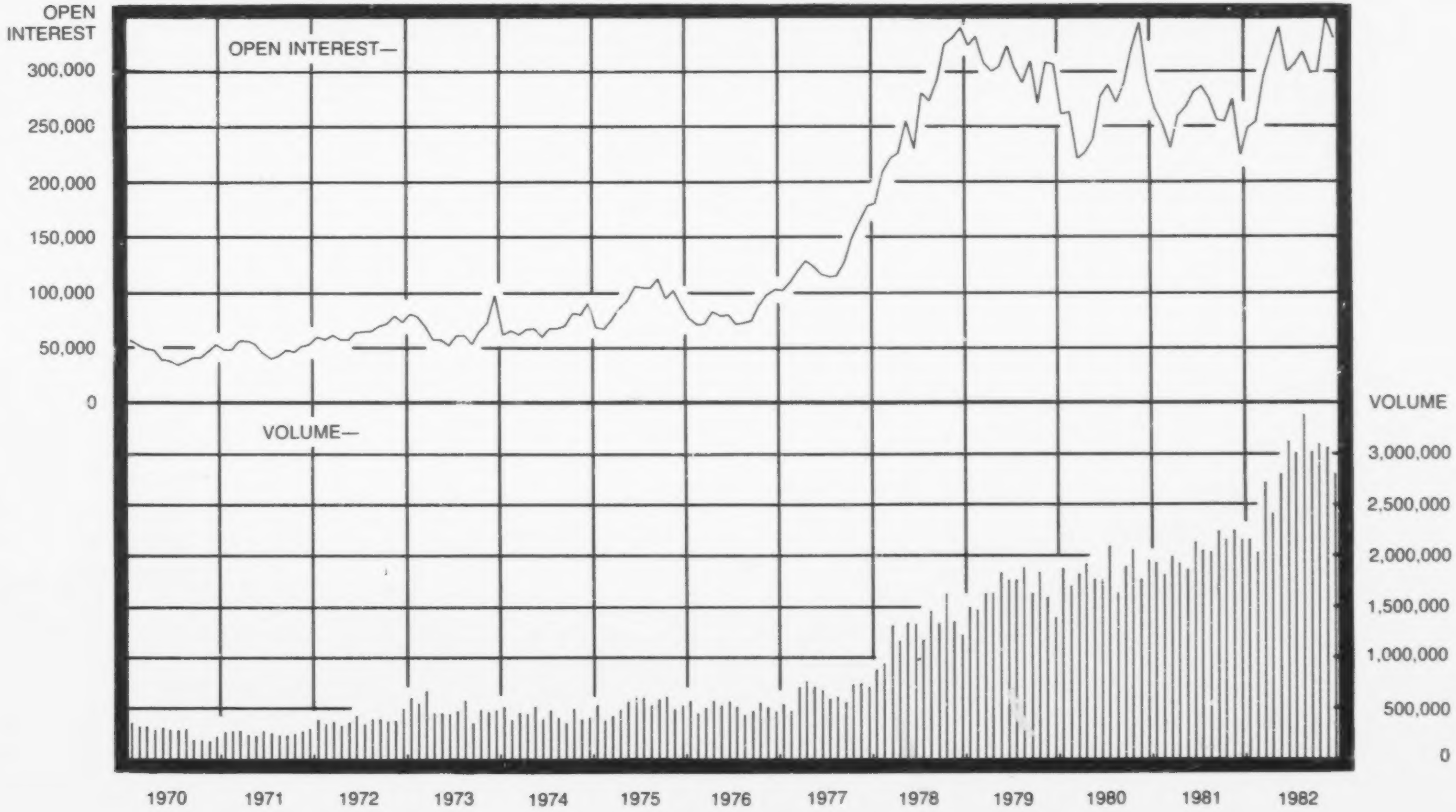
DAILY SETTLEMENT PRICES OF THE MARCH AND SEPTEMBER 1982 LUMBER FUTURES TRADED ON THE INDEX AND OPTION MARKET



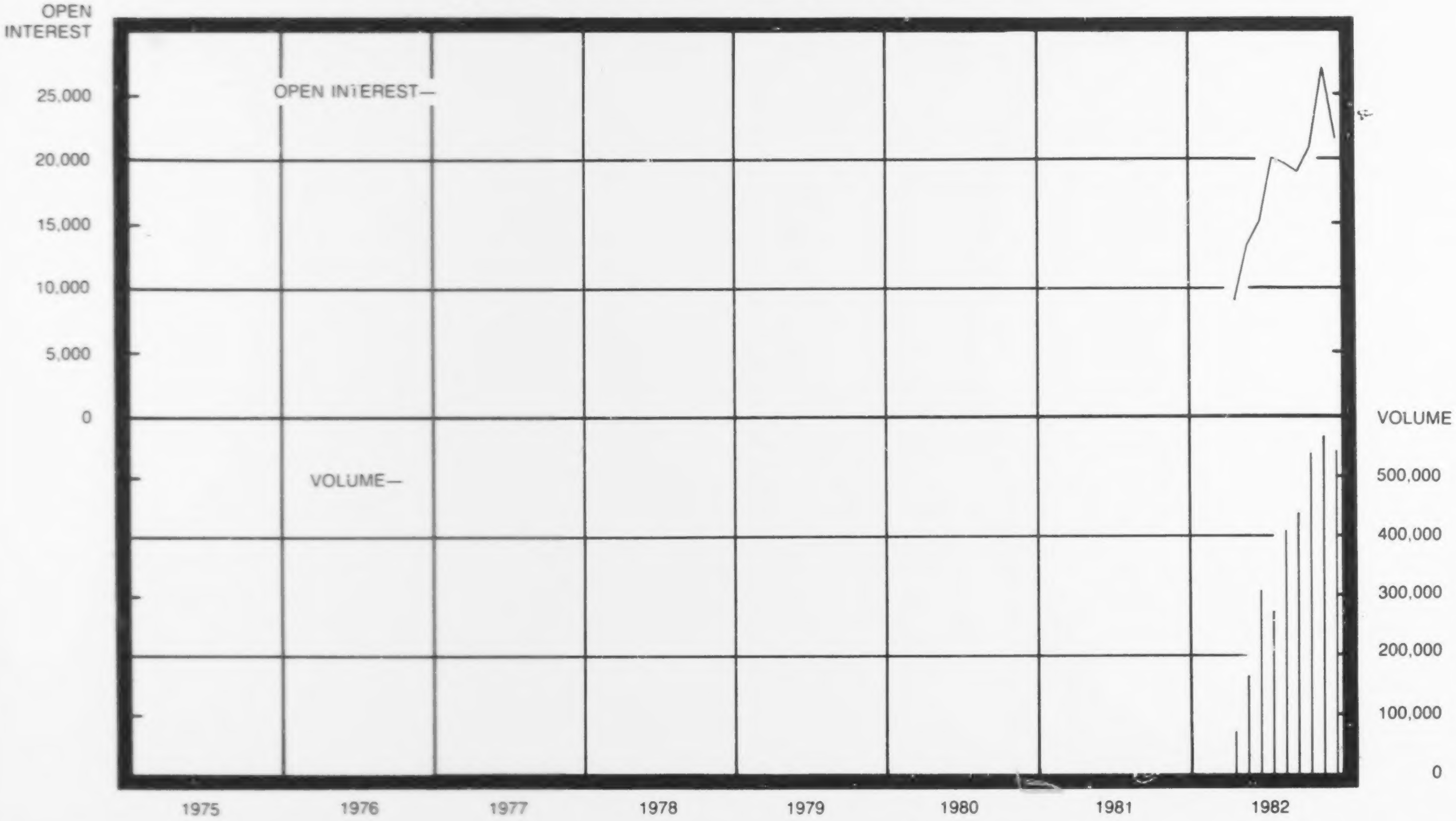
DAILY SETTLEMENT PRICES OF THE MAY AND NOVEMBER 1982 LUMBER FUTURES TRADED ON THE INDEX AND OPTION MARKET



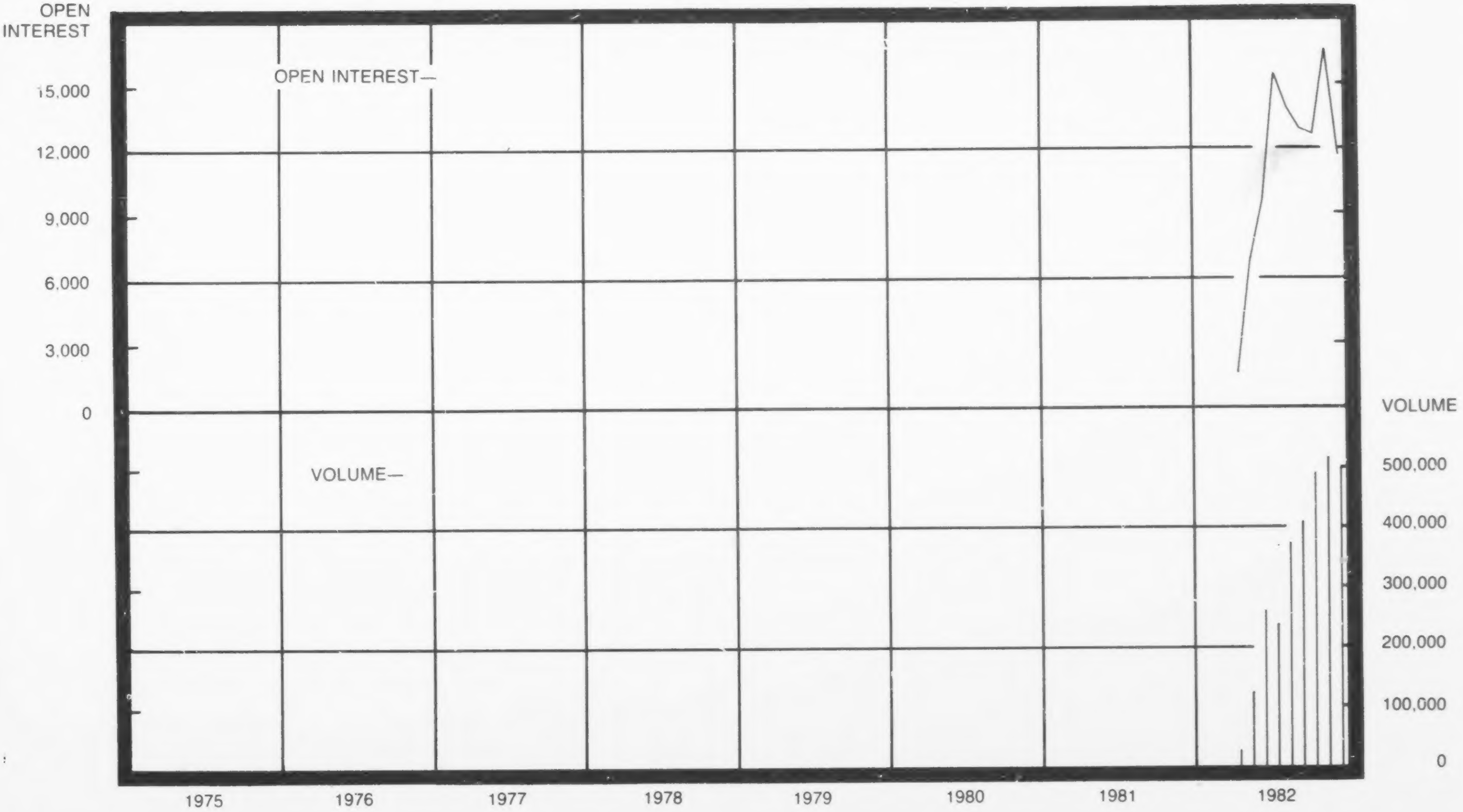
EXCHANGE MONTHLY TOTAL VOLUME AND END OF MONTH OPEN INTEREST
FOR ALL CONTRACTS (INCLUDING I.M.M. AND I.O.M. DIVISIONS) TRADED ON THE CHICAGO MERCANTILE EXCHANGE



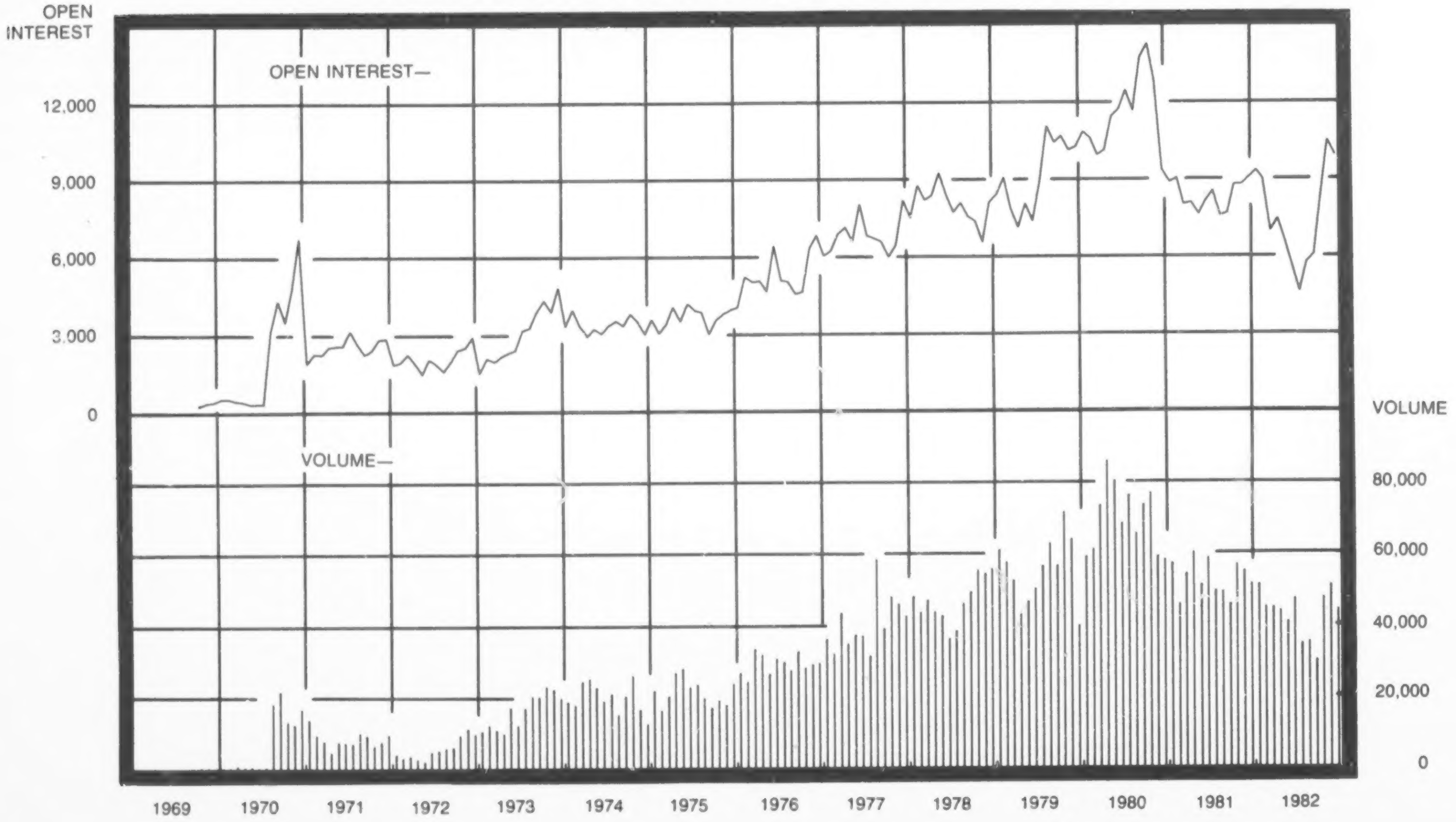
MONTHLY TOTAL VOLUME AND END OF MONTH OPEN INTEREST FOR ALL CONTRACTS TRADED ON THE INDEX AND OPTION MARKET



MONTHLY TOTAL VOLUME AND END OF MONTH OPEN INTEREST
FOR S&P 500 STOCK INDEX FUTURES TRADED ON THE INDEX AND OPTION MARKET



MONTHLY TOTAL VOLUME AND END OF MONTH OPEN INTEREST
FOR LUMBER FUTURES CONTRACTS TRADED ON THE INDEX AND OPTION MARKET



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